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November 5, 2001

EXECUTIVE SECRETARY

Mr. David Waddell, Executive Secretary
Tennessee Regulatory Authority
460 James Robertson Parkway
Nashville, Tennessee 37243-0505

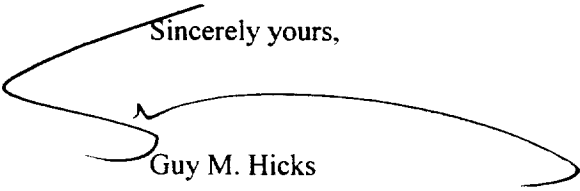
Re: *Approval of the Amendment to the Interconnection Agreement Negotiated by BellSouth Telecommunications, Inc. and the Electric Power Board of Chattanooga Pursuant to Sections 251 and 252 of the Telecommunications Act of 1996.*
Docket No. 01-00838

Dear Mr. Waddell:

In response to the Staff's request, enclosed please find the original and thirteen copies of the UNE Local Call Flows which are referenced in Sections 4.1.3.2.2 and 4.1.3.2.3 of the Amendment between the Electric Power Board of Chattanooga and BellSouth Telecommunications, Inc. which was filed with the Tennessee Regulatory Authority on September 26, 2001.

Thank you for your attention to this matter.

Sincerely yours,

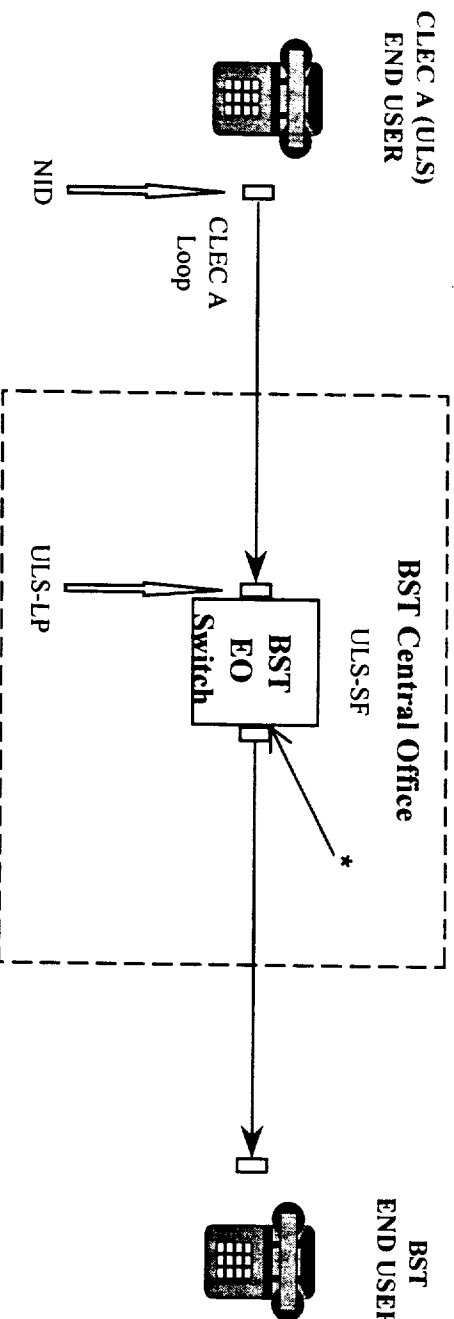

Guy M. Hicks

cc: W.E. Chapman, Jr., Senior Vice President, Electric Power Board of Chattanooga

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

1. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

Intraoffice/Intrastwitch



Billing Concept

- Unbundled Network Elements

Usage Recordings

- Call Code 001/072 (NOT MBI13) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

BST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching)

Billing Factors

- NA

Record Exchange

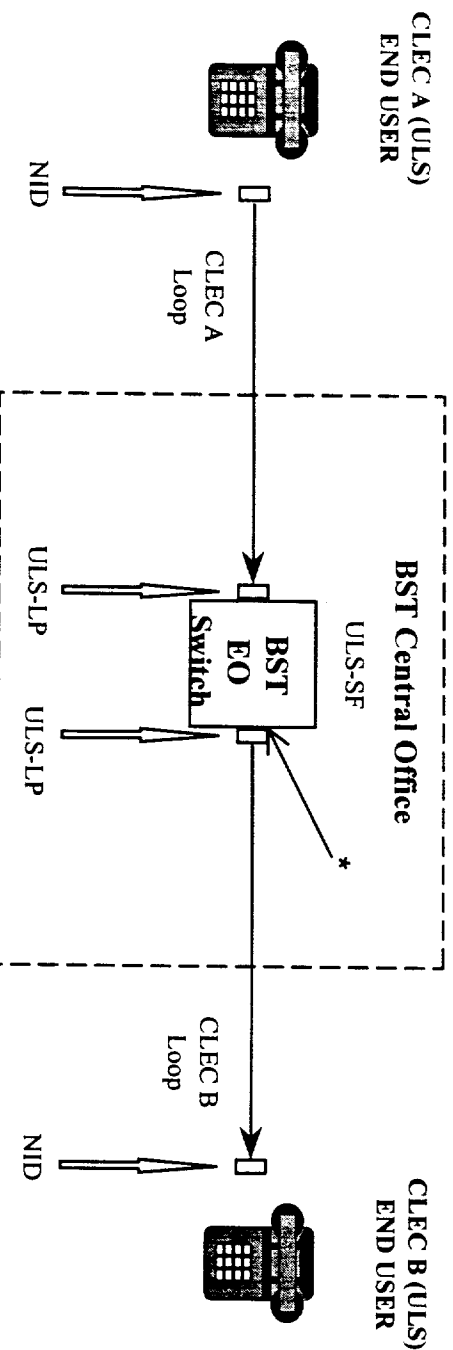
BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

* indicates demarcation between UNE Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

2. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

Intraoffice/Intrastitch



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 001/072 (NOT MB113) is

made at the End Office. No tandem indicator, no access time, no attempts. No term recording.

-- Normal EO recordings appropriate to the type of service will be made.

BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- ULS-SF (unbundled switching - originating)

BST bills CLEC B

-- ULS-LP (loop and port monthly)

Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

* indicates demarcation between UNE Network and other Networks

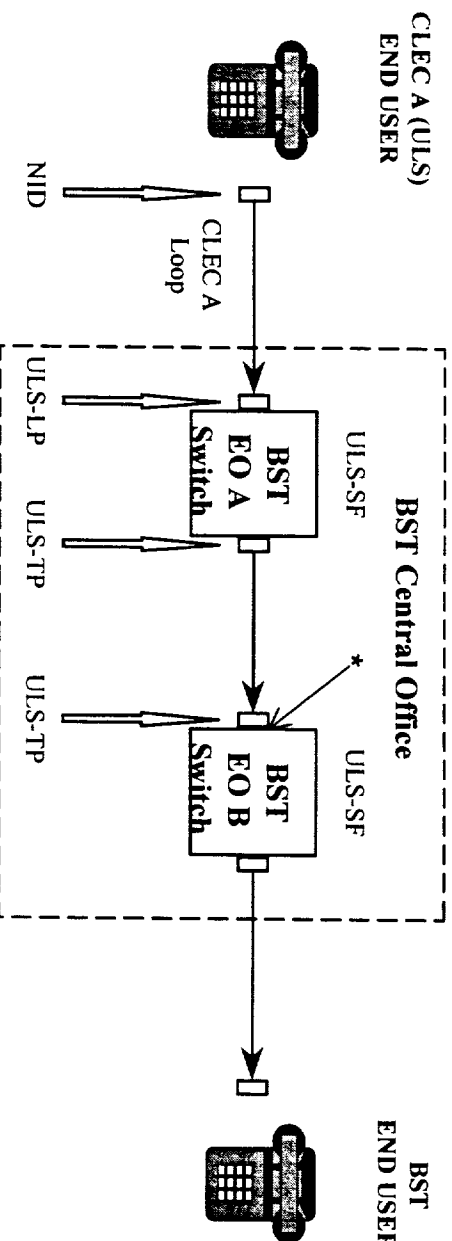
Note: Since terminating switching and reciprocal compensation are equal:

1. CLEC B does not pay BST for terminating switching and does not receive reciprocal compensation from CLEC A, since they net to zero.
2. CLEC A pays terminating switching to BST instead of paying reciprocal compensation to CLEC B.
3. BST does not have to provide the recording to CLEC B that it would need to bill CLEC A for reciprocal compensation

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

3. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

Intraoffice/Interswitch



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 001/072 (NOT MB113) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.

-- Normal EO recordings appropriate to the type of service will be made.

* indicates demarcation between UNE Network and other Networks

BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)

-- 2 ULS-TPs (trunk ports)

-- UTS-S (unbundled transport, fixed, mileage calculated from EO A to EO B) (zero transport miles)

Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

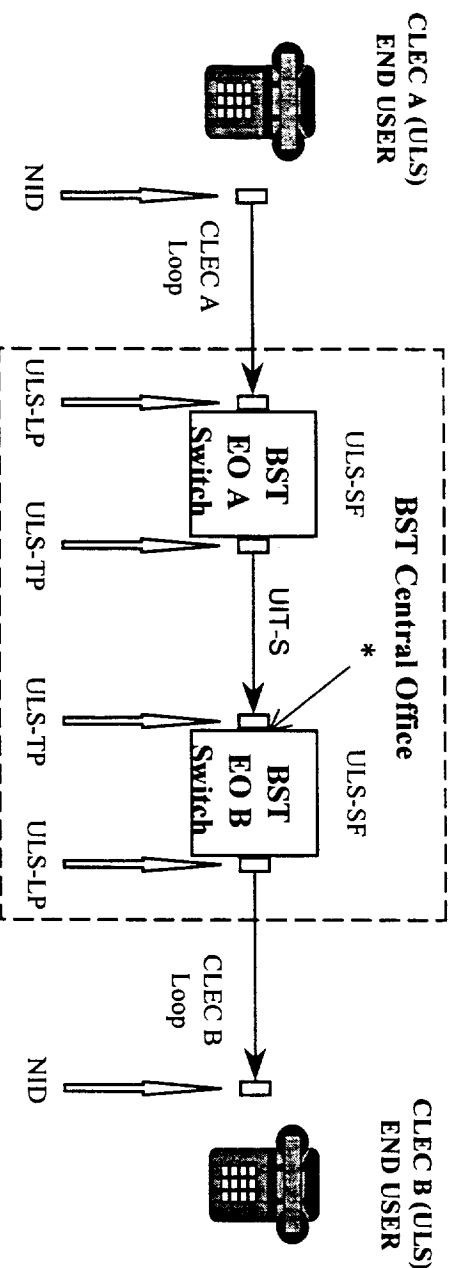
Reciprocal Compensation

BST bills CLEC A Unbundled Local Switching as indicated above.

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

4. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

Intraoffice/Interswitch



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 001/072 (NOT MB113) is made at the End Office. No tandem indicator, no access time, no attempts.

No term recording.

-- Normal EO recordings appropriate to the type of service will be made.

BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)

-- 2 ULS-TPs (trunk ports)

-- UIT-S (unbundled transport, fixed, mileage calculated from EO A to EO B)
(zero transport miles)

Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A ODUF 10-01-31
(See Local/Toll Exceptions)

* indicates demarcation between UNE Network and other Networks

Note: Since terminating switching and reciprocal compensation are equal:

1. CLEC B does not pay BST for terminating switching and does not receive reciprocal compensation from CLEC A, since they net to zero.
2. CLEC A pays terminating switching to BST instead of paying reciprocal compensation to CLEC B.
3. BST does not have to provide the recording to CLEC B that it would need to bill CLEC A for reciprocal compensation.

5. *BST Network - Calling Within a 7 and 10 Digit Dialing Scope*

[illegible]

-- Unbundled Network Elements

- Call Code 001/072 (NOT MB113) or
Call Code 006/072 is made at the End Office.

-- ULS-LP (loop and port monthly)

- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (end office trunk ports)
- UITS (unbundled transport-shared, fixed and per mile, mileage calculated from EO A to EO B)
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

--NA

BellSouth sends CLEC A ODUF 10-01-31
(See Local/Toll Exceptions)

* indicates demarcation between UNE Network and other Networks

BST bills CLEC A Unbundled Local Switching as indicated above.

6. *BST Network - Calling Within a 7 and 10 Digit Dialing Scope*

[illegible]

-- Unbundled Network Elements

-- Call Code 00/072 (NOT MB113) or
Call Code 006/072 is made at the End O

- No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.
- fixed and per mil, mileage from EO A to EO B
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

NOTE: Call code 006 records are related to

ELCA plans.

-- ULS-LP (loop and port monthly)

Note: Since terminating switching and reciprocal compensation are equal:

1. Once terminating switching and reciprocal compensation are required, CLEC-B does not pay BST for terminating switching and does not receive reciprocal compensation from CLEC-A, since they net to zero.
2. CLEC-A pays terminating switching to BST instead of paying reciprocal compensation to CLEC-B.
3. BST does not have to provide the recording to CLEC-B that it would need to bill CLEC-A for reciprocal compensation.

6/22/01

--ULS-LP (loop and port monthly)

- originating and terminating, summarized at EO A)
- 2 UL-S-TPs (end office trunk ports)
- U-T-S (unbundled transport - shared, fixed and per mil, mileage from EO A to EO B)
- U-T-S-SF (unbundled melded tandem switching)
- 2 U-T-S-TPs (melded tandem trunk ports)

* indicates demarcation between UNE Network and other Networks

NA

BellSouth sends CLEC A ODUF 10-01-31

(See Local/Toll Exceptions)

* indicates demarcation between UNE Network and other Networks

7. *BST Network – Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) - Interoffice*



- ## -- Unbundled Network Elements

-- Call Code 006 is made at the End Office.

- No tandem indicator, no access time, no attempts. No terminating recording.
- Normal EO recordings appropriate to the type of service will be made.

Reciprocal Compensation

BSI bills CLEC A Unbundled Local Switching as indicated above.

-- ULS-LP (loop and port monthly)

- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (end office trunk ports)
- UITS (unbundled transport-shared, fixed and per mile, mileage calculated from EO A to EO B)
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

Billing Factors

- NA

Record Exchange

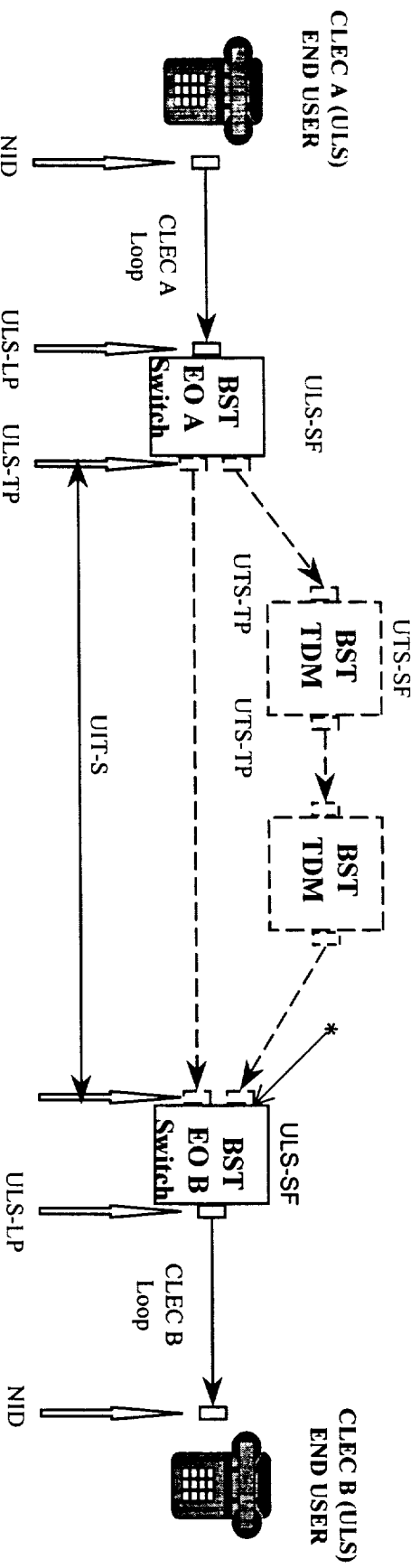
BellSouth sends CLEC A ODUF 10-01-01

* indicates demarcation between UNE Network and other Networks

Note: CLEC A must LPIC BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC.

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

8. BST Network – Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) - Interoffice



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 006 is made at the End Office.

No tandem indicator, no access time, no attempts. No term recording.

-- Normal EO recordings appropriate to the type of service will be made.

* indicates demarcation between UNE Network and other Networks

BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)

-- 2 ULS-TPs (end office trunk ports)

-- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from EO A to EO B)

-- UTS-SF (unbundled melded tandem switching)

-- 2 UTS-TPs (melded tandem trunk ports)

BST bills CLEC B

-- ULS-LP (loop and port monthly)

Note: CLEC A must LPIB BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC.

Billing Factors

-- NA

Record Exchange

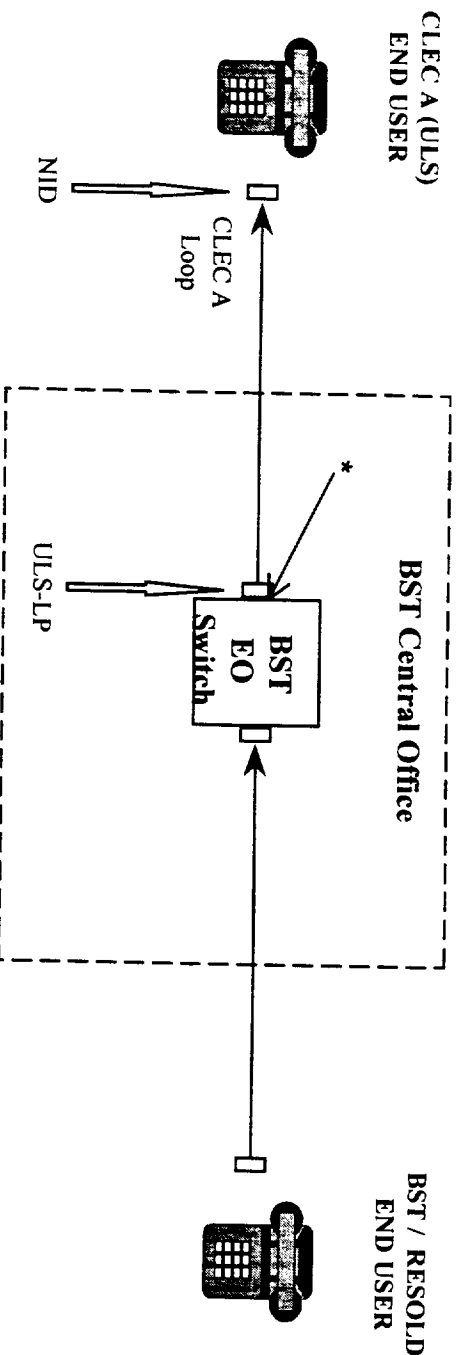
BellSouth sends CLEC A

ODUF 10-01-01

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

9. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

Intraoffice/Intrawitch



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 001/072 is made at the End Office.

No tandem indicator, no access time, no attempts.

No term recording. Note this is MBI13 if the BST

end user has flat-rated service.

-- Normal EO recordings appropriate to the type of service will be made.

* indicates demarcation between UNE Network and other Networks

BST bills CLEC A

-- ULS-LP (loop and port monthly)

Billing Factors

-- NA

Record Exchange

-- NA

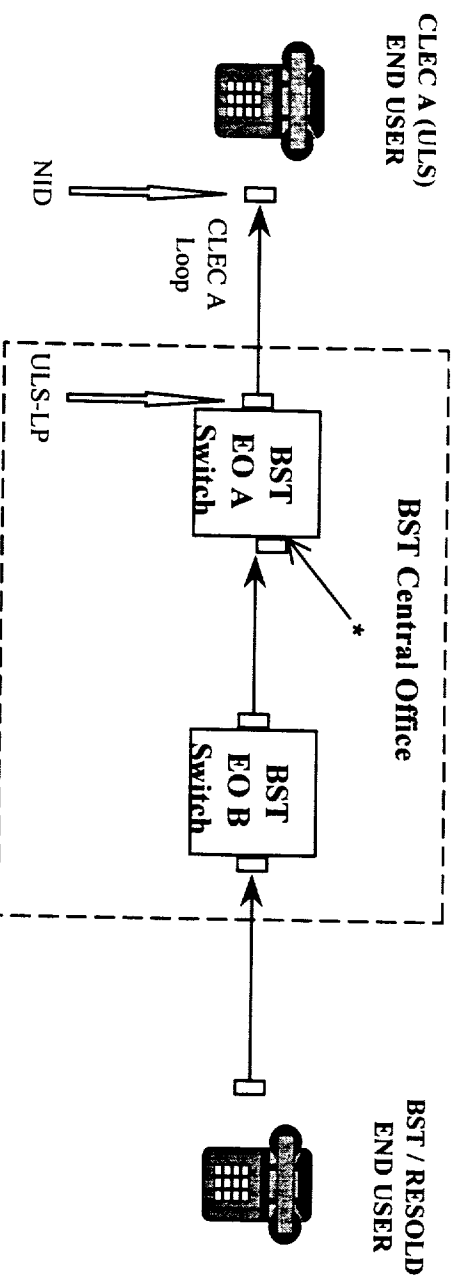
Reciprocal Compensation

CLEC A does not charge BellSouth reciprocal compensation as the charges that UNE CLEC A may be entitled to charge BellSouth for terminating local switching would be the same as the charges BellSouth would charge UNE CLEC A for unbundled switching. Such charges would net to zero, since they are the same rate. Therefore, neither Party charges for the unbundled local switching functionality.

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

10. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

Intraoffice/Interswitch



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 001/072 is made at the End Office B

No tandem indicator, no access time, no attempts.

No term recording. Note this is MB113 if the BST

end user has flat-rated service.

-- Normal EO recordings appropriate to the type of service will be made.

* indicates demarcation between UNE Network and other Networks

BST bills CLEC A

-- ULS-LP (loop and port monthly)

Billing Factors

-- NA

Record Exchange

-- NA

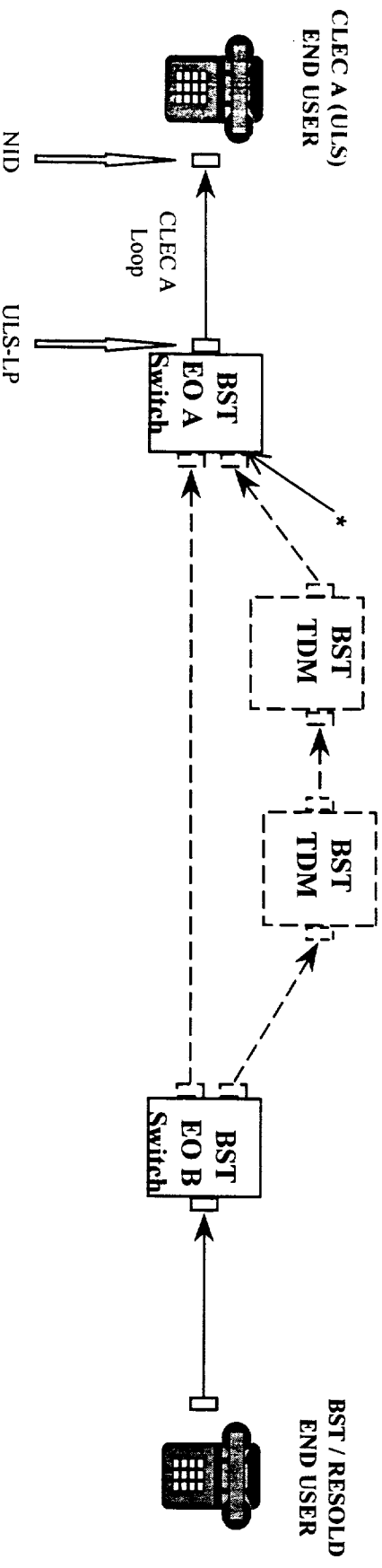
Reciprocal Compensation

CLEC A does not charge BellSouth reciprocal compensation as the charges that UNE CLEC A may be entitled to charge BellSouth for terminating local switching would be the same as the charges BellSouth would charge UNE CLEC A for unbundled switching. Such charges would net to zero, since they are the same rate. Therefore, neither Party charges for the unbundled local switching functionality.

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

11. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

Interface



Billing Concept

-- Unbundled Network Elements

BST bills CLEC A

-- U/S-LP (loop and port monthly)

Billing Factors

-- NA

Record Exchange

-- NA

Usage Recordings

-- Call Code 001/072 (NOT MBI13) or Call Code 006/072

is made at the End Office B. No tandem indicator, no access time, no attempts. No term recording
Note this is MBI13 if the BST end user has flat-rated service.

-- Normal EO recordings appropriate to the type of service will be made.

NOTE: Call code 006 records are related to ELCA plans.

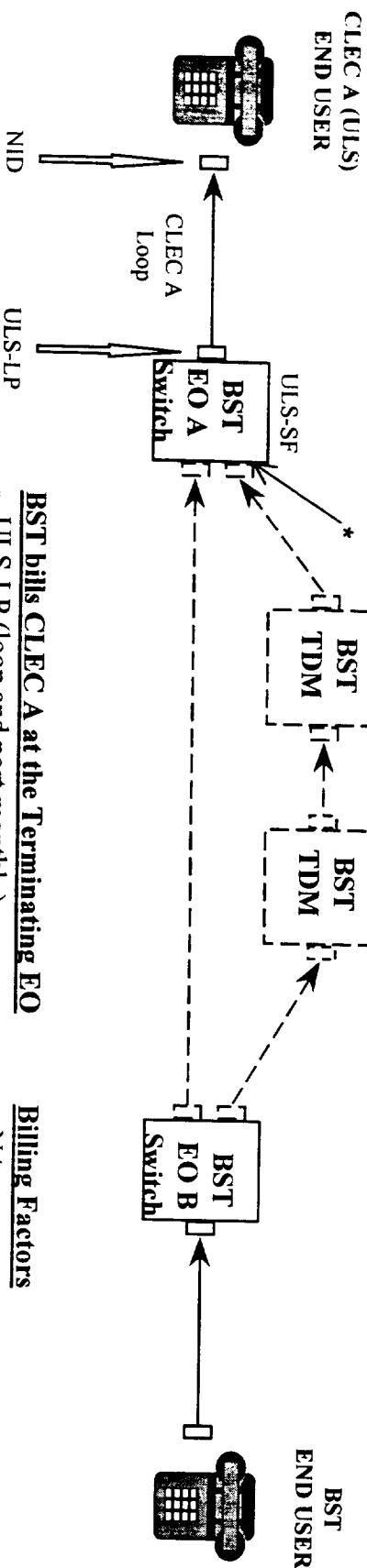
* indicates demarcation between UNE Network and other Networks

Reciprocal Compensation

CLEC A does not charge BellSouth reciprocal compensation as the charges that UNE CLEC A may be entitled to charge BellSouth for terminating local switching would be the same as the charges BellSouth would charge UNE CLEC A for unbundled switching. Such charges would net to zero, since they are the same rate. Therefore, neither Party charges for the unbundled local switching functionality.

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

12. BST Network - Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) - Interooffice



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 006/072 is made at the End Office B. No tandem indicator, no access time, no attempts. No term recording.
 - Normal EO recordings appropriate to the type of service will be made.
- NOTE: Call code 006 records are related to ELCA plans.

* indicates demarcation between UNE Network and other Networks

6/22/01

BST bills CLEC A at the Terminating EO

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching - terminating)

Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A ADUF 11-01-01, so the CLEC may be able to quantify end office usage. Terminating switched access charges shall not apply.

Reciprocal Compensation:

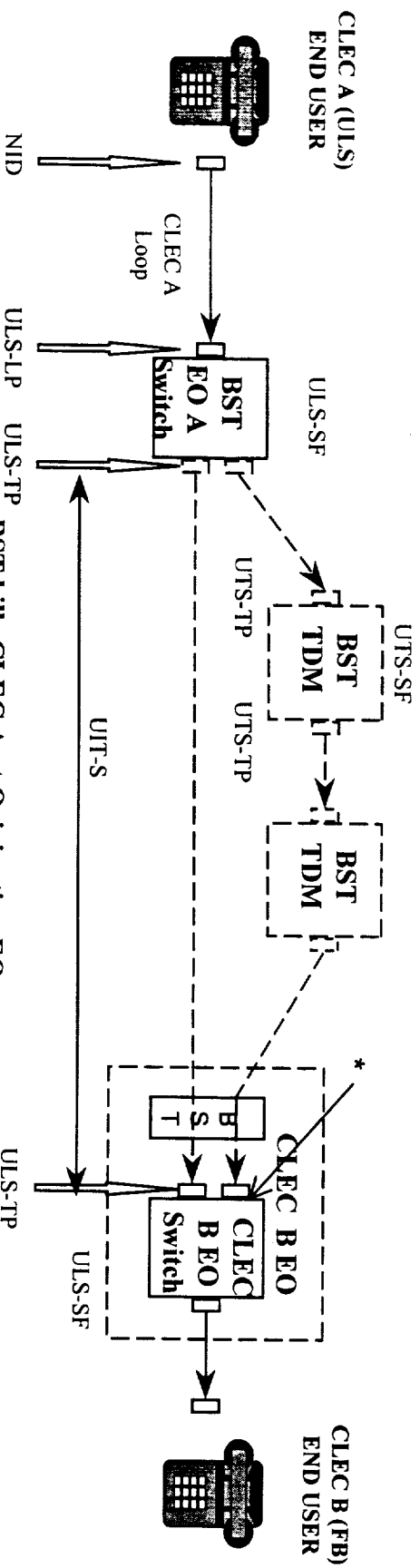
Currently, for this call flow CLEC A may bill BellSouth ULS-SF for end office switching at EO A. This is due to the fact that BellSouth's billing system currently bills ULS-SF to CLEC A at EO A. Because these rates are the same and the charges net to zero, BellSouth would normally not charge, but until BellSouth modifies its billing system to not charge CLEC A for ULS-SF, CLEC A may bill the equivalent charges back to BellSouth.

A terminating access (ADUF) record is provided as this is the only means available to provide CLEC A a way to quantify the terminating usage. However, access charges shall not be billed to BellSouth as BellSouth treats such calls that it terminates as Local calls and bills the originating ULS CLEC Unbundled Local Switching at the UNE rates and not terminating access.

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

13. Multi-Network - Calling Within a 7 and 10 Digit Dialing Scope

Interoffice (ULS CLEC and FB-CLEC Networks)



Billing Concept

- Unbundled Network Elements
- Local Interconnection

Usage Recordings

- Call Code 001/072 (NOT MB113) or Call Code 006/072 is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
 - Normal EO recordings appropriate to the type of service will be made.
- NOTE: Call code 006 records are related to FLCA plans.

* indicates demarcation between UNE Network and other Networks

Billing Factors

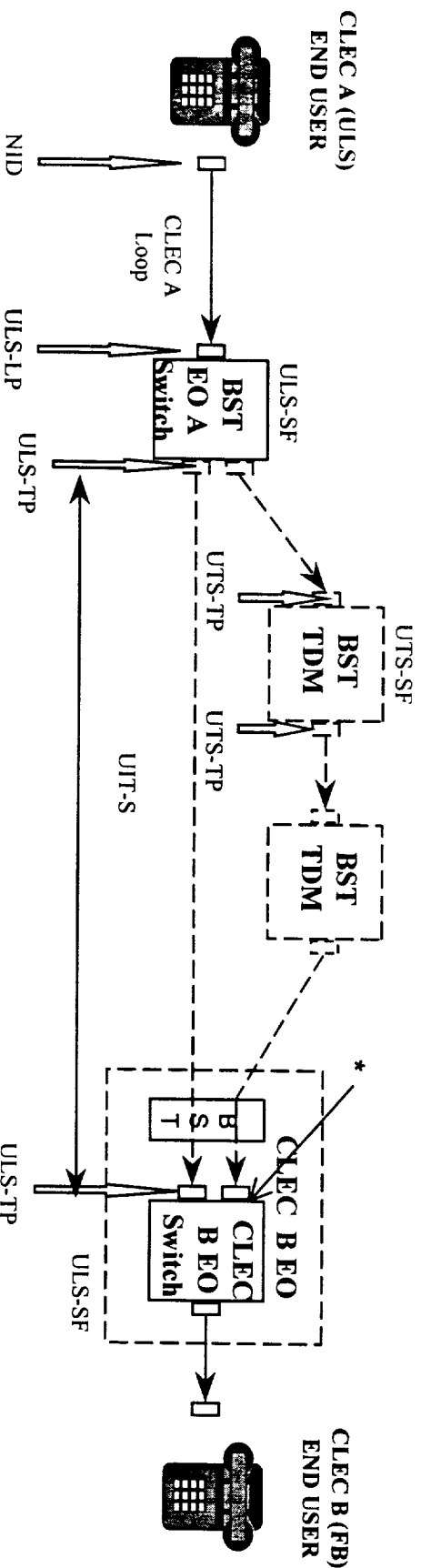
BST provides CLEC B with PIU & PLU for Local Interconnection billing

Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

14. Multi-Network – Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) - Interoffice



Billing Concept

- Unbundled Network Elements
- Local Interconnection

Usage Recordings

- Call Code 006 is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

* indicates demarcation between UNE Network and other Networks

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from EO A to EO B)
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

Billing Factors

- N/A

Record Exchange

BellSouth sends CLEC A ODUF 10-01-01

Note: CLEC A must LPIC BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC.

FB CLEC B Billing

- The Industry has not established how CLEC B may Bill CLEC A for reciprocal compensation. In the interim, BST shall bill the terminating EO switching to CLEC A and pay Reciprocal compensation to CLEC B as such calls appear to be originated by BST end users.

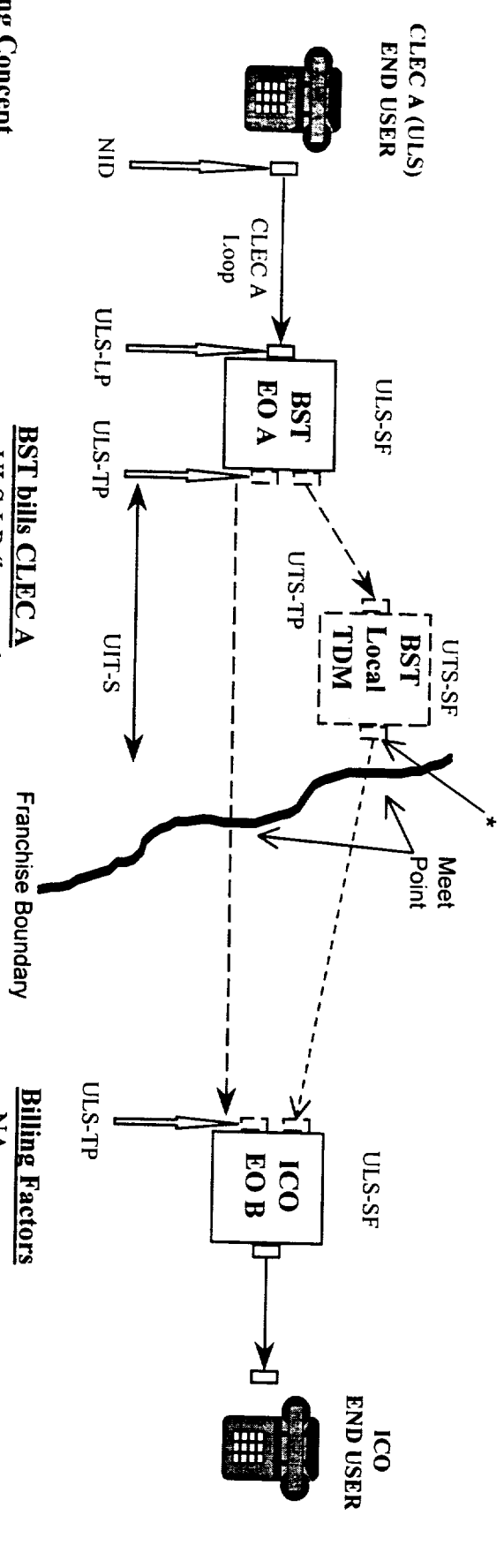
UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

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UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

15A. Multi-Network – Calling Within a 7 and 10 Digit Dialing Scope

Interoffice



Billing Concept

- Unbundled Network Elements
- Interconnection

Usage Recordings

- Call Code 001/072 is made at originating End Office. (if direct routing exists, still use melded since 001 cannot indicate tandem vs. direct routing)

* indicates demarcation between UNE Network and other Networks

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SF (unbundled switching originating, summarized at EO A)
- 1 ULS-TPs (end office trunk port)
- UIT-S (unbundled transport - shared, fixed and per mile, mileage from EO A to BST local tandem) Note: use default of 0 miles since do not know meet point, using mileage to local tandem, but since no mapping of EO to local tandems will now have default of 0 miles since EO & some local tandems are co-located)
- UTS-SF (unbundled melded tandem switching)
- 1 UTS-TPs (melded tandem trunk ports)

Billing Factors

- NA

Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

Note: ICO and BST local calls are bill and keep

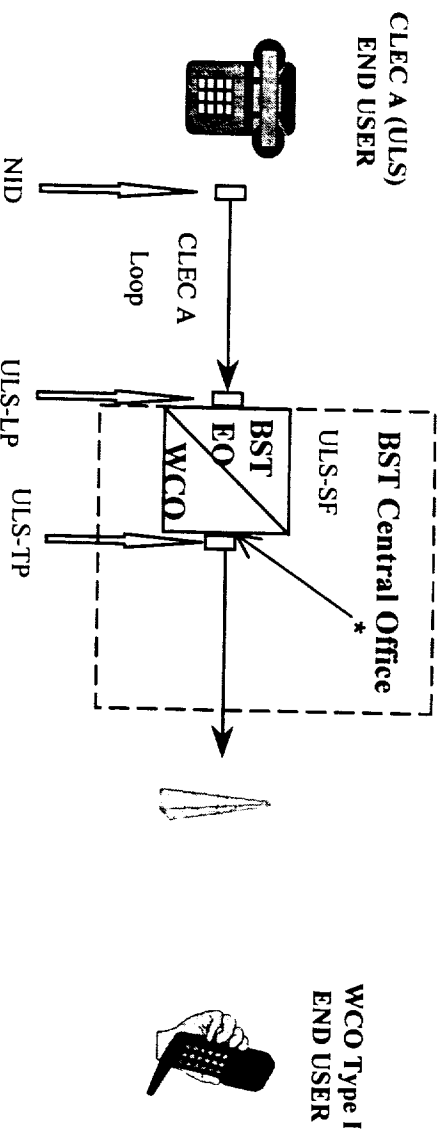
UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

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UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

17. BST-Network - Calling Within a 7 and 10 Digit Dialing Scope

Type I - Intraoffice/IntraSwitch



Billing Concept

- Unbundled Network Elements
- Interconnection

Usage Recordings

- Call Code 001/072 is made at the End Office.

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating)

WCO bills BST

- Reciprocal compensation is not be billed to BST by the WCO.

Billing Factors

- NA

Record Exchange

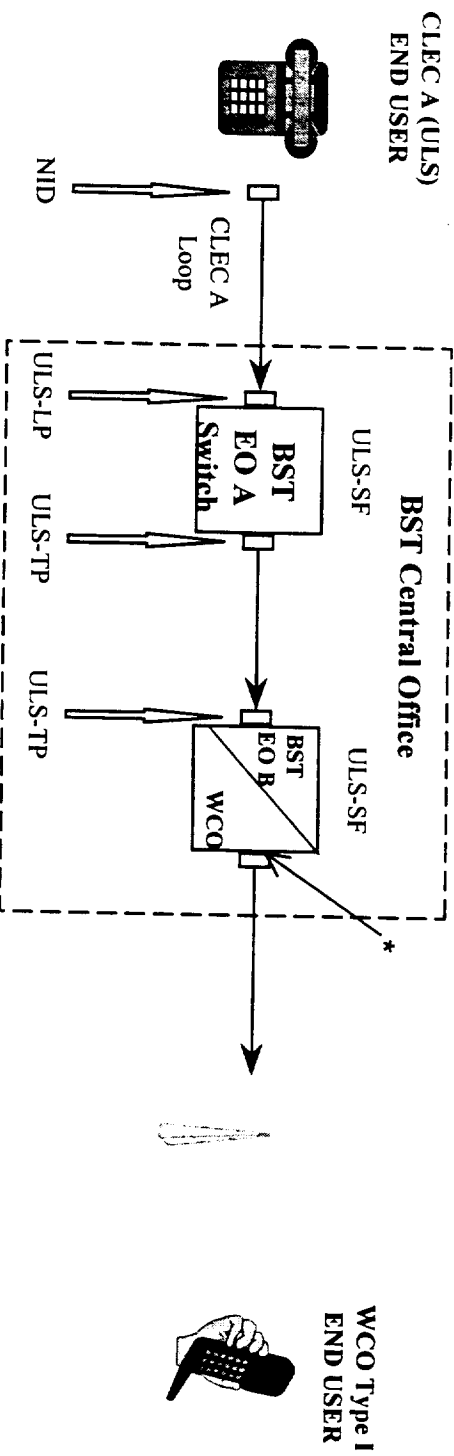
BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)
10-01-01 is sent to CLEC A if WCO
NPA-NXX is Land-to-Mobile

* indicates demarcation between UNE Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

17A. BST Network - Calling Within a 7 and 10 Digit Dialing Scope

Type I - Intraoffice/InterSwitch



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 001/072 (NOT MB113) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

* indicates demarcation between UNE Network and other Networks

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)
- 2 ULS-TPs (trunk ports)
- UTS-S (unbundled transport, fixed, mileage calculated from EO A to EO B) (zero transport miles)

WCO bills BST

- Reciprocal compensation is not be billed to BST by the WCO.

Billing Factors

-- N/A

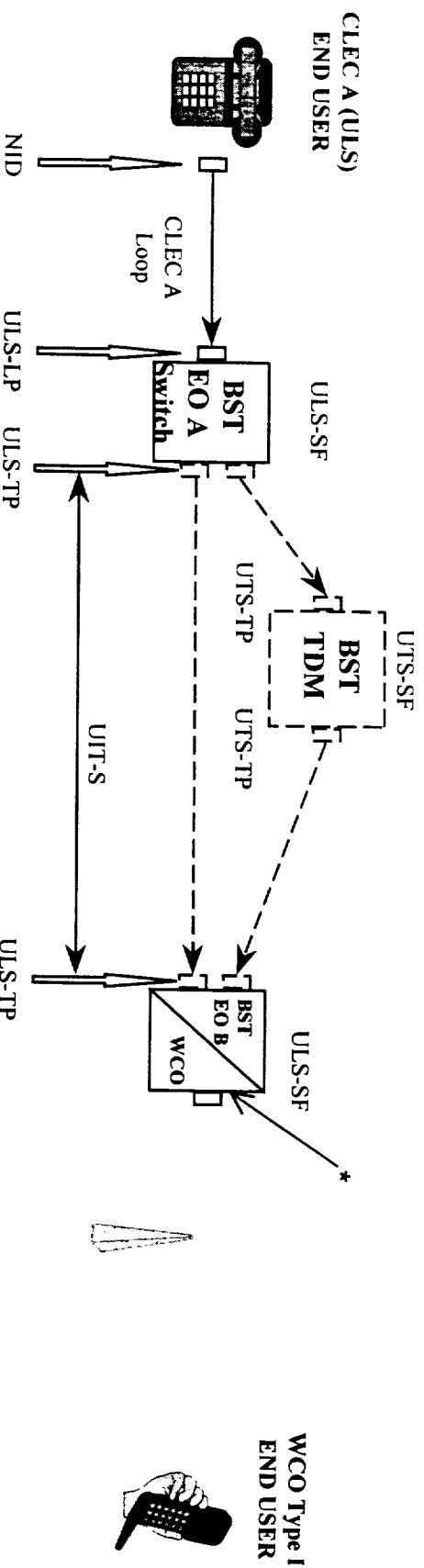
Record Exchange

BellSouth sends CLEC A
ODUF 10-01-31
(See Local/Toll Exceptions)
10-01-01 is sent to CLEC A if WCO
NPA-NXX is Land-to-Mobile

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

18. BST-Network - Calling Within a 7 and 10 Digit Dialing Scope

Type I Interoffice



Billing Concept

- Unbundled Network Elements
- WCO Interconnection

Usage Recordings

- Call Code 001/006/072 is made at originating End Office
- no tandem indicator

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled local switching - originating, summarized at originating EO A)
- 2 ULS-TP (end office trunk ports)
- UTS-S (unbundled transport - shared, fixed and per mile, mileage from EO A to EO B)
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

Billing Factors

- NA

Record Exchange

- BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)
- 10-01-01 is sent to CLEC A if WCO NPA-NXX is Land-to-Mobile

WCO bills BST

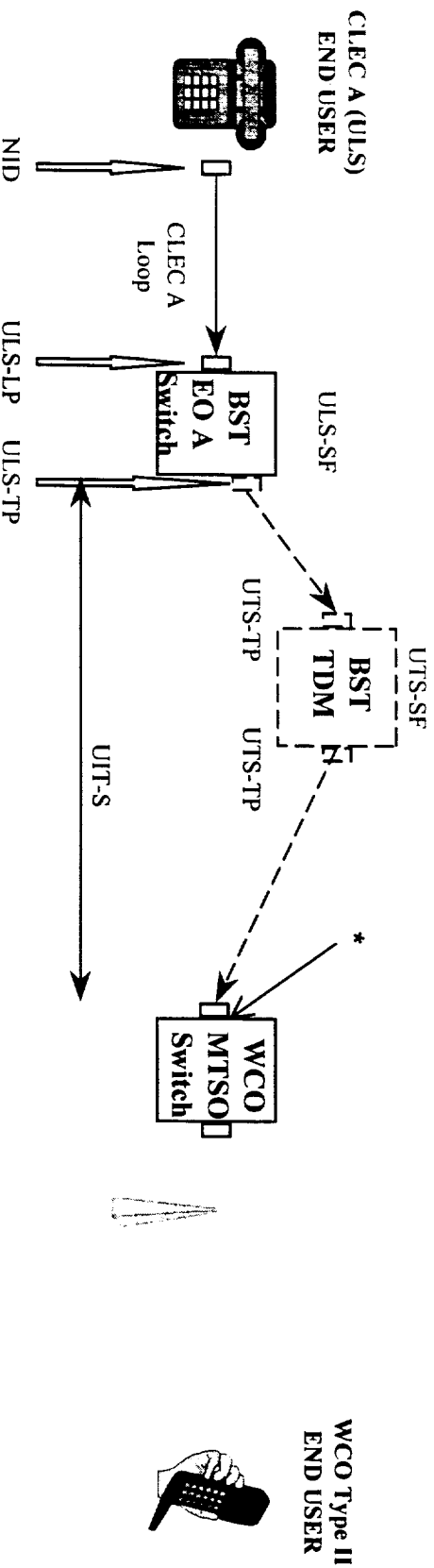
- Reciprocal compensation is not be billed to BST by the WCO.

* indicates demarcation between UNE Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

19. Multi-Network - Calling Within a 7 and 10 Digit Dialing Scope

Type II-A



Billing Concept

- Unbundled Network Elements
- WCO Interconnection

Usage Recordings

- Call Code 001/006/072 is made at originating End Office
- No tandem indicator but entire NPA/NNX is wireless in Type 2 and Type 2 connects only at tandems

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled local switching - originating)
- 1 ULS-TPs (end office trunk ports)
- UIT-S (unbundled transport - shared, fixed and per mile, mileage from EO A to MTSO)
- UTS-SF (full rate unbundled tandem switching)
- 2 UTS-TPs (full rate tandem trunk ports)

WCO bills BST

- Reciprocal compensation is not be billed to BST by the WCO.

Billing Factors

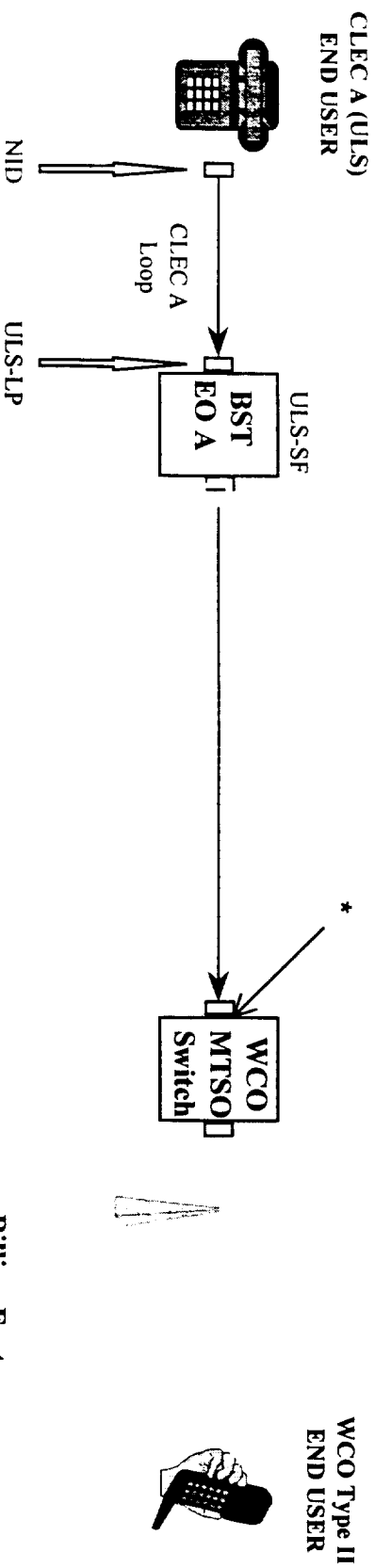
- NA

Record Exchange

- BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)
- 10-01-01 is sent to CLEC A if WCO NPA-NXX is Land-to-Mobile
- * indicates demarcation between UNE Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

19a. Multi-Network - Calling Within a 7 and 10 Digit Dialing Scope Type II-B



Billing Concept

- Unbundled Network Elements
- WCO Interconnection - Type 2B where WCO purchases trunk from EOA to MTSO

Usage Recordings

- Call Code 001/006/072 is made at originating End Office

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled local switching - originating)

WCO bills BST

- Reciprocal compensation is not be billed to BST by the WCO.

Billing Factors

- NA

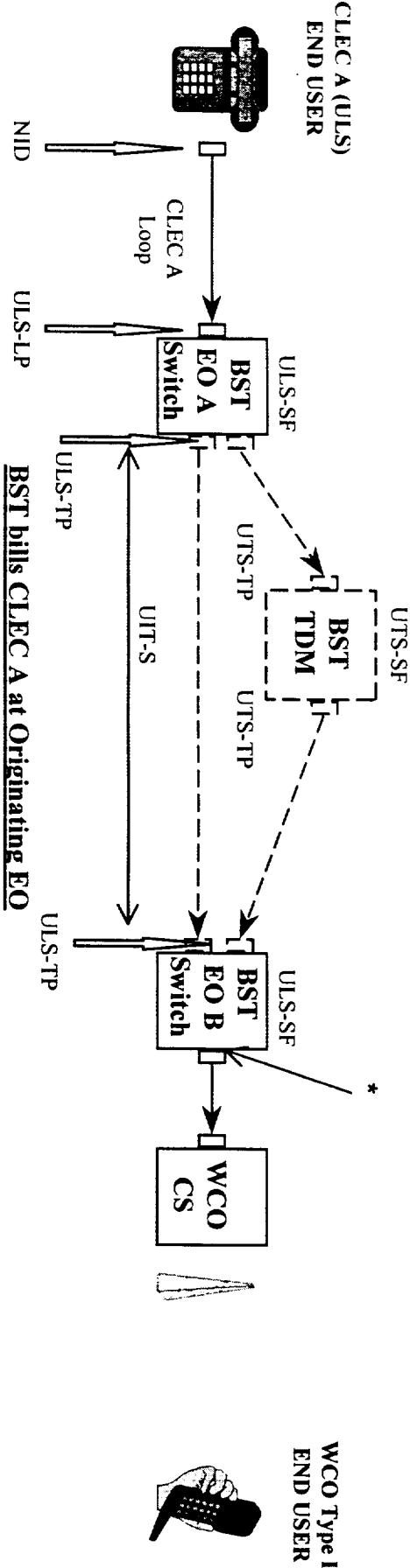
Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)
10-01-01 is sent to CLEC A if WCO
NPA-NXX is Land-to-Mobile

* indicates demarcation between UNE
Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

20. Multi-Network - Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the lata (i.e. 1+ call) – Interoffice - Type I



Billing Concept

- Unbundled Network Elements
- WCO Interconnection

Usage Recordings

- Call Code 006 is made at originating End Office A

* indicates demarcation between UNE Network and other Networks

BST bills CLEC A at Originating EO

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled local switching - originating, summarized at originating EO A)
- 2 ULS-TP (end office trunk ports)
- UTS-S (unbundled transport - shared, fixed and per mile, mileage from EO A to EO B)
- UTS-SF (unbundled melded tandem switching)
- 2 UTS-TPs (melded tandem trunk ports)

WCO bills BST

- Reciprocal Compensation is not be billed to BST by the WCO

Billing Factors

- NA

Record Exchange

BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)
10-01-01 is sent to CLEC A if WCO
NPA-NXX is Land-to-Mobile

Note: CLEC A must LPIC BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC.

21. Multi-Network - Call terminating outside of the originating 7 & 10 digit dialing arrangement but within the data (i.e. 1+call) - Interoffice - Type II-A



Record Exchange

BellSouth sends CLEC A

ODUF 10-01-01

* indicates demarcation between UNE Network and other Networks

```
-- ULS-LP (loop and port monthly recurring)
-- 1 ULS-SFs (unbundled local switching - originating)
-- 1 ULS-TPs (end office trunk ports)
-- UTS-S (unbundled transport - shared,
    fixed and per mile , mileage
    from EO A to MTSO)
-- UTS-SF (full rate unbundled tandem switching)
-- 2 UTS-TPs (full rate tandem trunk ports)
```

-- Local Interconnection is not to be billed to BST by the WCO

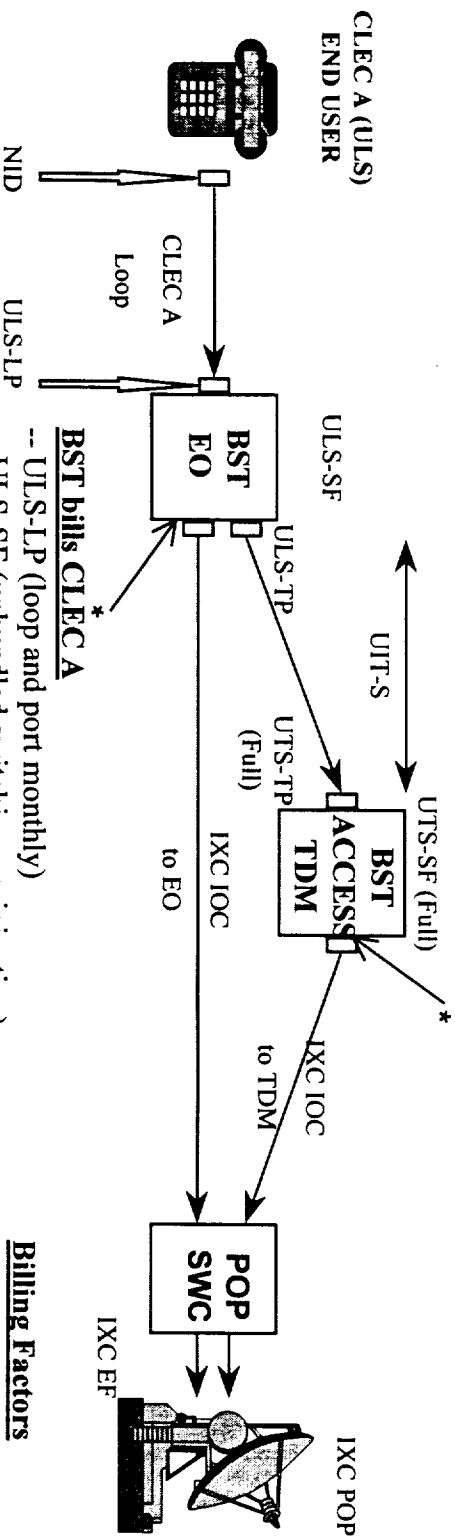
Note: CLEC A must LPIC BST in order for BellSouth to transport and terminate this call. Appropriate terms and conditions must be contained within the CLEC/BellSouth Interconnection Agreement in order for BellSouth to provide this functionality to the CLEC.

Mobilescreening for reverse billing
retail service
-- Entire NPA/NNX is wireless for
Type 2, which only connects at
tandems

```
-- Entire NPA/NNX is wireless for
Type 2, which only connects at
tandems
```

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

22. INTERSTATE / INTRASTATE ACCESS CALLING (Access Reform) Multi-Network Interoffice



Billing Concept

- Access Reform
- Unbundled Network Elements
- Note that this call flow applies to intralata toll with non-BST LPIC

Usage Recordings

- Call Code 110/117 on FGD
- Call Code 134 on FGB

BST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching - originating)
- Charges below apply if IXC tandem routed
- ULS-TP (end office trunk ports)
- UTS-S (unbundled transport - shared, mileage from BST EO and BST AT, fixed and per mile)
- UTS-TP (unbundled full rate tandem trunk ports)
- UTS-SF (unbundled full rate tandem switching)

CLEC A bills IXC

- Originating Access as agreed upon between CLEC A & IXC

BST bills IXC

- Dedicated Switched Local Channel (Entrance Facility)
- Dedicated Switched Transport (between POP SWC and UNE CLEC EO) if direct routed, dedicated transport (between POP SWC and Access Tandem) if tandem routed)

Billing Factors

- IXC will provide PULs to BST and CLEC A

Record Exchange

BellSouth sends CLEC A ADUF Originating 11-01-01

Demarcation Point between UNE Network and IXC Network

Access Tandem Switch if tandem Terminating End office Switch (trunk side) if direct

* indicates demarcation between UNE Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

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UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

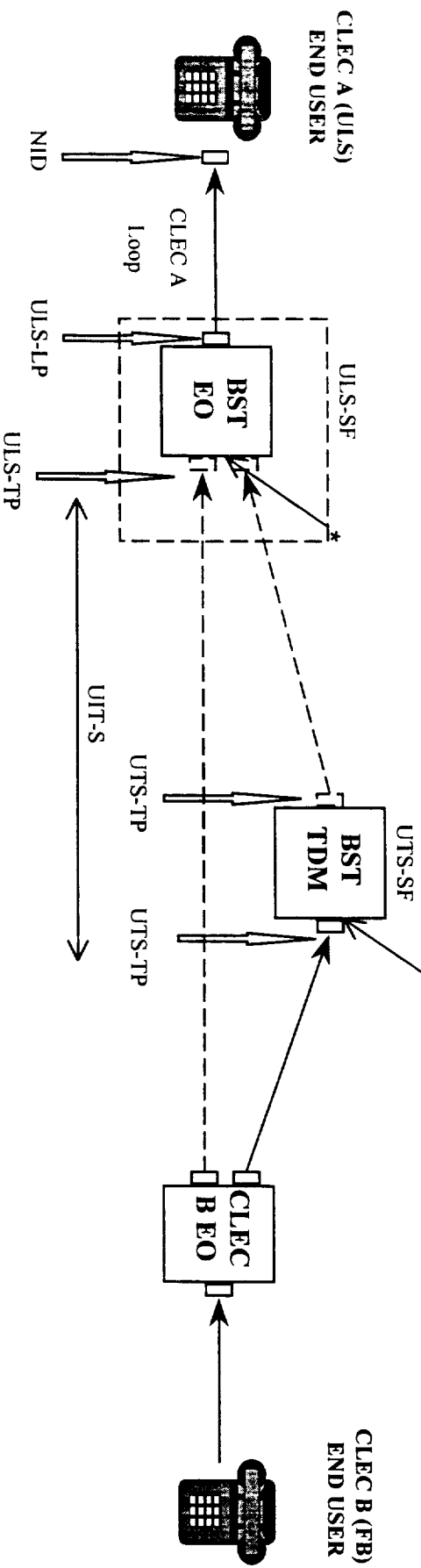
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UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

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UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

26. Multi-Network – Local Calling – Interoffice



Billing Concept

-- Local Interconnection

Usage Recordings

-- Call Code 119, 066, or 720

BST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled local switching - terminating) IF tandem routed (local or access)
- ULS-TP (unbundled end office trunk ports)
- UTS-S (unbundled transport - shared between BST EO and BST AT or local tandem, fixed and per mile, mileage from BST AT associated with CLEC B EO to BST EO)
- UTS-TP (unbundled full rate tandem trunk port)
- UTS-SF (unbundled full rate tandem switching)

CLEC A bills CLEC B

- Local Interconnection / charges per agreement

Billing Factors

-- CLEC B provides CLEC A a PIU & PLU

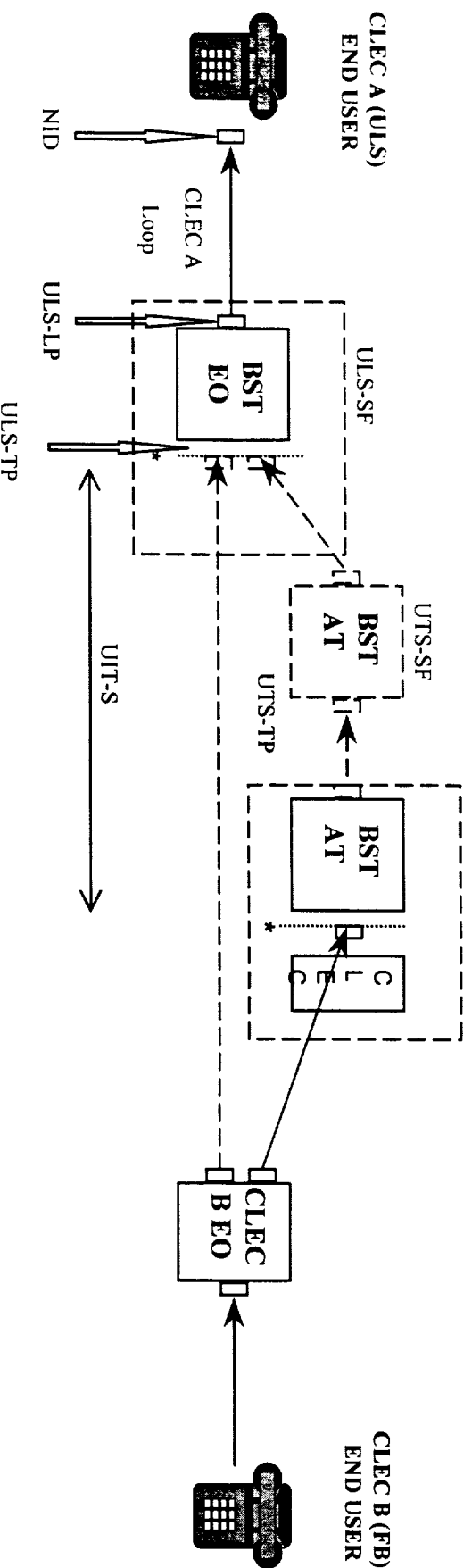
Record Exchange

BellSouth sends CLEC A
ADUF Terminating 11-01-01

* indicates demarcation between UNE
Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

27. Multi-Network - Intralata Toll Calling - Interoffice



Billing Concept

- ## -- Local Interconnection

Usage Recordings

- Call Code 119, 066, or 720

* indicates demarcation between UNE Network and other Networks

BST bills UNE CLECA

- ```
-- ULS-LP (loop and port monthly)
-- ULS-SF (unbundled local switching - terminating)
IF tandem routed
-- ULS-TP (unbundled end office trunk ports)
-- UT-S (unbundled transport - shared between
BST EO and BST AT, fixed and per mile, mileage
from BST AT associated with CLEC B EO to
BST EO)
-- UTS-TP (unbundled full rate tandem trunk port)
-- UTS-SF (unbundled full rate tandem switching)
```

**CLEC A bills CLEC B**

- Access as agreed upon between CLEC A and CLEC B

### **Billing Factors**

- FB CLEC B provides PIU and PLU to CLEC A

## Record Exchange

- BellSouth sends CLEC A  
ADUF Terminating 11-01-01**

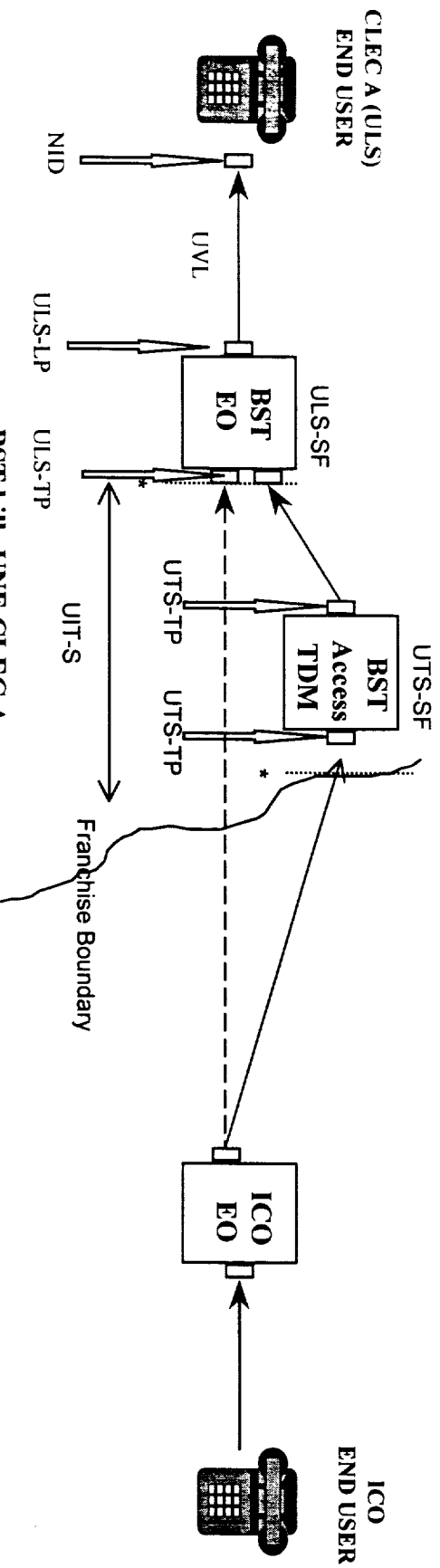




# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 29. Multi-Network IntralATA Toll Calling

### Interface



#### Billing Concept

-- Unbundled Network Elements

-- Interconnection

#### Usage Recordings

-- Call Code 720 (from BST Access

Tandem) or NA\*

(CC720 made even if pre-subscribed

L.PIC - any interlata CC720 is dropped

since assume CC119 used to bill)

#### BST bills UNE CLEC A

-- ULS-LP (loop and port monthly)

-- ULS-SF (unbundled local switching - terminating)

IF tandem routed

-- ULS-TP (unbundled end office trunk ports)

-- UTS-S (unbundled transport - shared between

BST EO and BST Access Tandem, fixed and per mile,

mileage from BST Access Tandem to BST EO)

-- 2 UTS-TP (unbundled full rate tandem trunk port)

-- UTS-SF (unbundled full rate tandem switching)

#### BST/ICO Settlements apply

ICO puts call into settlements process - can be PCP/ORP

Plans

#### CLEC A may bill ICO

-- Local Interconnection charges per

agreement.

#### Billing Factors

-- N/A

#### Record Exchange

BellSouth sends CLEC A

ADUF Terminating 11-01-01

(CIC of 0000 should

be in this record)

\* indicates demarcation between UNE  
Network and other Networks

# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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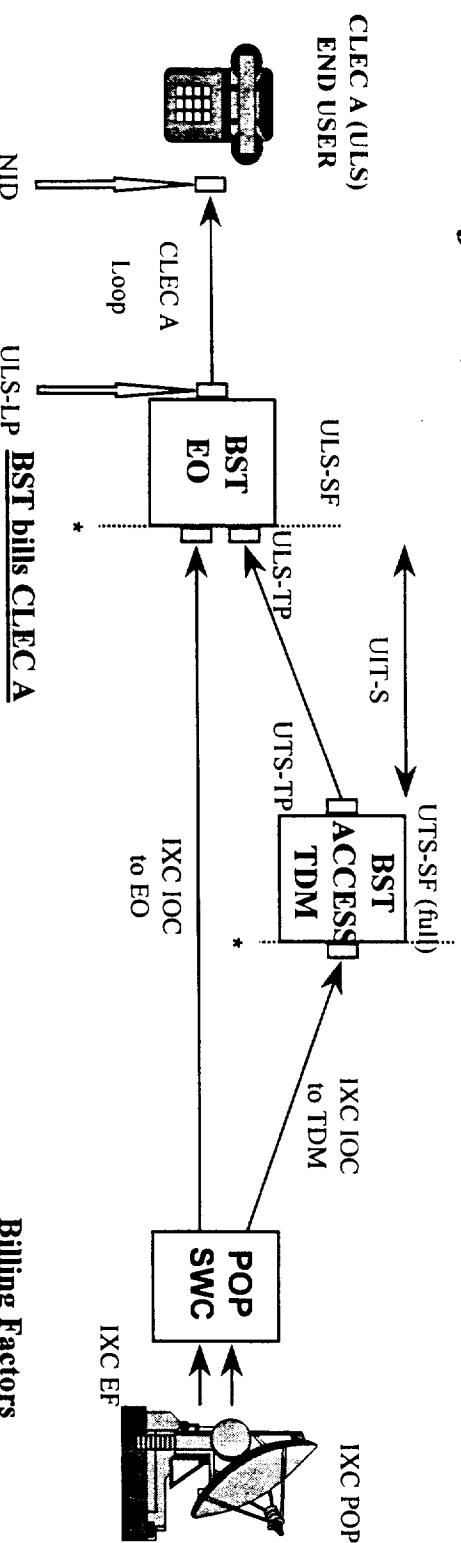
# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 33. INTERSTATE / INTRASTATE ACCESS CALLING

(Access Reform)

Multi-Network Interoffice

Revised 09/21/99



### BST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching - terminating EO) Charges below apply if IXC tandem routed
- ULS-TP (end office trunk port)
- UTS-S (unbundled transport - shared, mileage from BST EO and BST AT)
- UTS-TP (Full Tandem trunk Port)
- UTS-SF (unbundled full tandem switching)

### Billing Factors

- IXC must provide terminating PUs and possibly PLU to BST and CLEC A

### Record Exchange

- BellSouth sends CLEC A ADUF Terminating 11-01-01

### Usage Recordings

- Call Code 119 on FG D
- Call Code 135 on FG B

### CLEC A may bill IXC

- Terminating Access as agreed upon between CLEC A & IXC

### BST bills IXC

- BST portion of dedicated switched transport from IXC POP to BST AT if tandem-routed or BST portion of dedicated transport from IXC POP to CLEC EO if direct

\* indicates demarcation between UNE Network and other Networks

# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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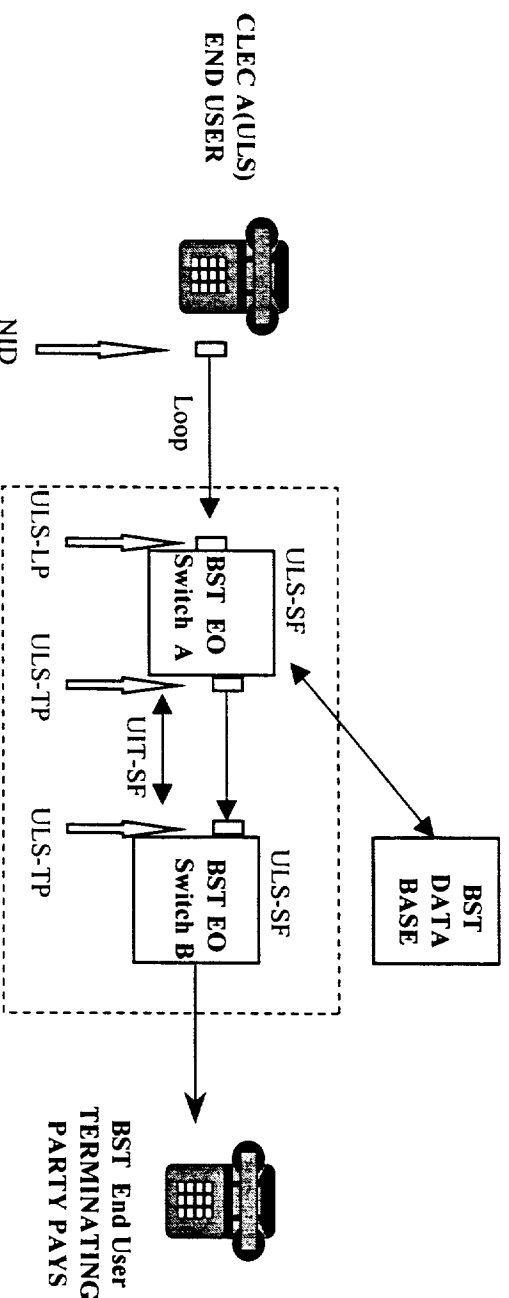
**UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS**

**UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS**

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# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 37a. BST Network Intralata 800 - Intraoffice/Interswitch



### Billing Concept

- End office capable of data base queries
  - Unbundled Network Elements
  - Terminating Party Pays Services (Includes 800 Services)
- Usage Recordings
- Call Code 142 for 800 is made at the End Office (no tandem indicator)

### BST bills CLEC A

- ULS-LP (Loop and port monthly)
  - 1 ULS-SF (unbundled local switching - originating)
  - 1 ULS-TPs (end office trunk ports)
  - UTS-S (unbundled transport - shared, fixed and per mile, mileage from Switch A to Switch B - zero transport miles)
  - 800 Data Base Dip
- BST bills BST 800 Number
- CRLS bills Terminating Party Pays
  - CLEC A may bill BST
  - Originating Access (LT, EO, CCL)
  - 800 Data Base Dip

### Billing Factors

- N/A

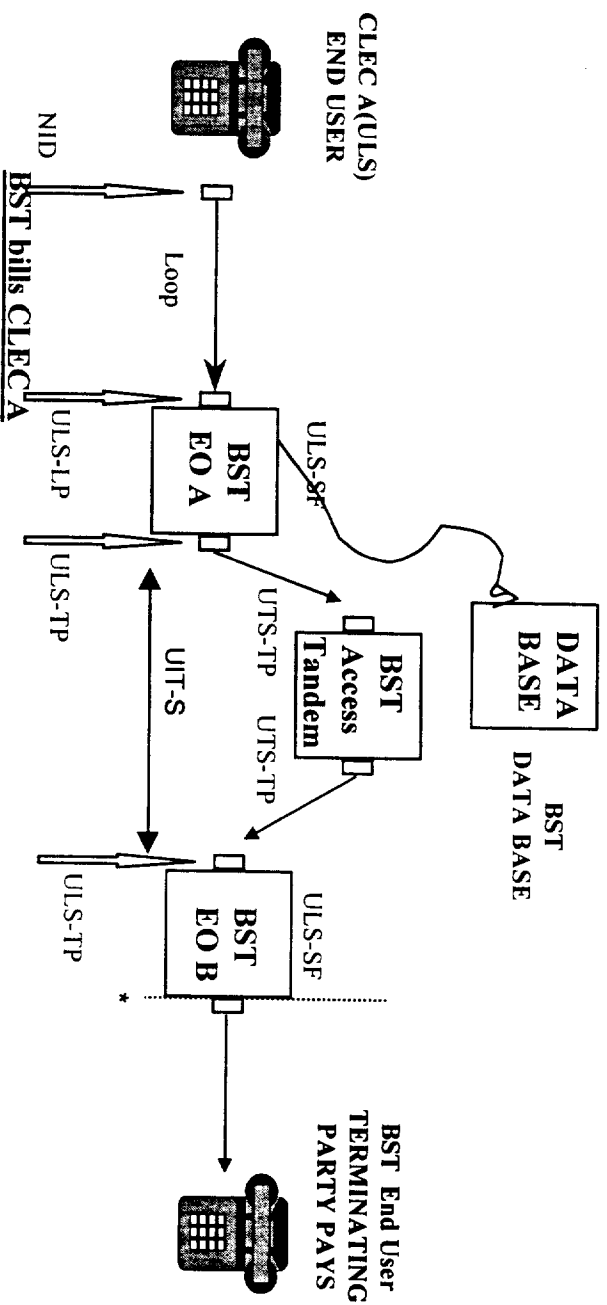
### Record Exchange

BellSouth sends CLEC A  
ADUF 11-01-25  
(CIC of 5124)

\* indicates demarcation between UNE  
Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 38. BST Network Intralata 800 - Interoffice



### Billing Concept

- capable of data base queries
- Unbundled Network Elements
- Terminating Party Pays Services (Includes 800 Services)

### Usage Recordings

- Call Code 142 for 800 is made at the End Office (no tandem indicator)

- **BST bills CLECA**
- ULS-LP (Loop and port monthly)
- 1 ULS-SF (unbundled local switching originating summarized at originating EO A)
- UIT-S (unbundled shared transport, fixed & per mile, mileage from BST EO A to BST EO B)
- 1 ULS-TP (end office trunk port)
- UTS-SF (melded tandem switching)
- 2 UTS-TP (melded tandem trunk ports)
- 800 Data Base Dip
- **BST bills BST 800 Number**
- CRIS bills Terminating Party Pays
- **CLECA may bill BST**
- Originating Access (LT, EO, CCI)
- 800 Data Base Dip

### Billing Factors

-- N/A

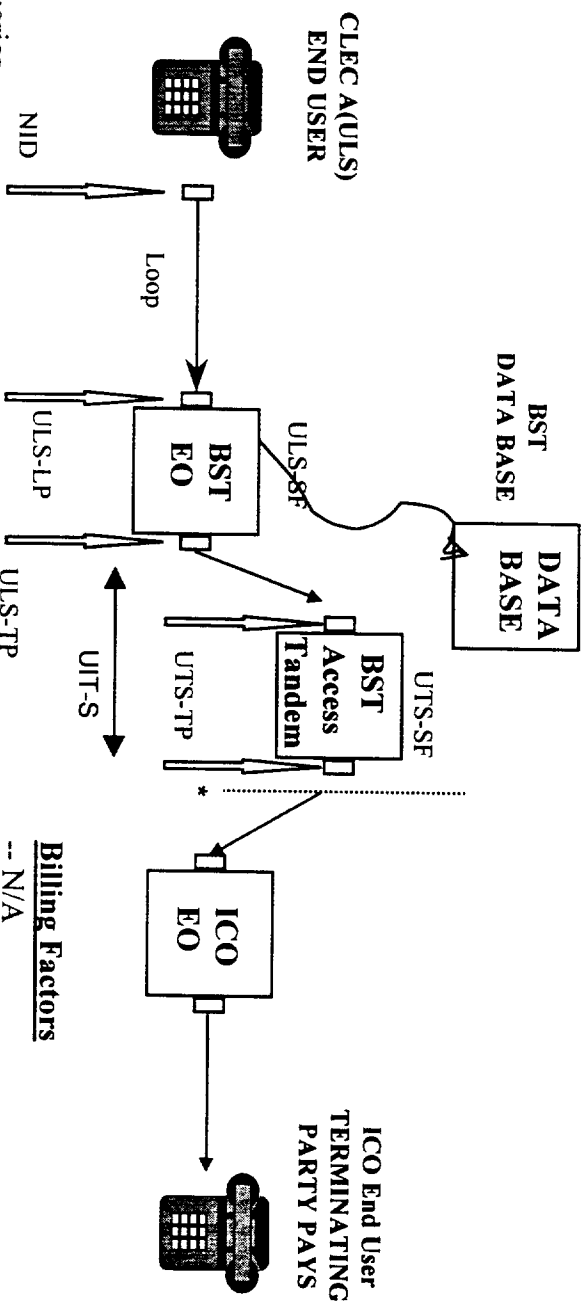
### Record Exchange

BellSouth sends CLECA  
ADUF 11-01-25  
(CIC of 5124)

\* indicates demarcation between UNE  
Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 384. Multi-Network Intralata 800 - Interoffice



### Billing Concept

- Meet point billing
- BST EO capable of data base queries
- Unbundled Network Elements
- Terminating Party Pays Services (Includes 800 Services)

Note: UNE cannot be used for intralata 800

### Usage Recordings

- Call Code 142 for 800 is made at the End Office (no tandem indicator)

### BST bills CLEC A

- ULS-LP (Loop and port monthly)
- ULS-SF (unbundled local switching - originating)
- UIT-S (unbundled shared transport, mileage from BST EO and BST tandem, default to zero miles, see note on right)

### Record Exchange

BellSouth sends CLEC A  
ADUF 11-01-25  
(CIC of 0000)

### Billing Factors

-- N/A

BellSouth sends 010125 record to ICO

CLEC A may send EMR 1150XX to  
BST in error

Note: default UIT-S to zero miles since do not know:  
if call was tandem routed, meet point with ICO, and that  
EO and tandem could possibly be co-located

\* indicates demarcation between UNE  
Network and other Networks

6/22/01

# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS**

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

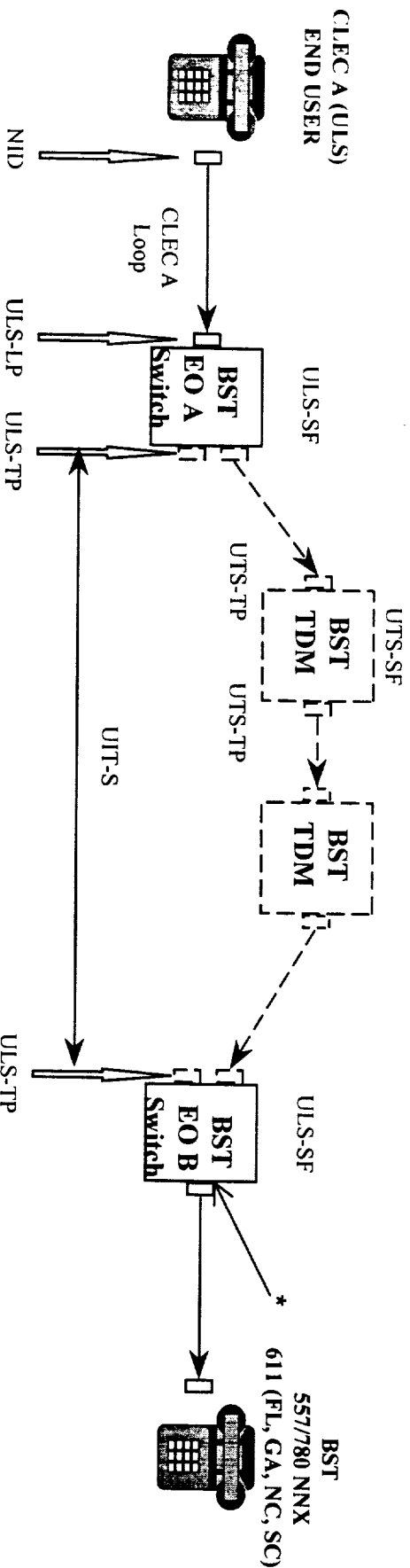
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# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS**

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# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 49. BST Network - Interoffice Terminating to BST Official Telephone Numbers



### Billing Concept

- Unbundled Network Elements
- Calls to BST Repair are to 557/780

### Usage Recordings

- Call Code 001, 006, 072 (005 in 1AESS) is made at the End Office.

No tandem indicator, no access time, no attempts. It does not matter whether the call is local or intralata toll.

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SF (unbundled local switching, originating and terminating, summarized at originating EO A)
- 2 ULS-TP (end office ports)
- UTS-S (unbundled transport - shared, fixed and per mile)
- UTS-SF (unbundled full tandem switching)
- 2 UTS-TP (full tandem trunk ports)

### Billing Factors

- NA

### Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-31 or 10-01-01  
(see Local Toll Exceptions)  
(See exception in note 1)

\* indicates demarcation between UNE  
Network and other Networks

Note 1: For 611 calls originating from a Siemens EWSD switch and if CLEC A has not subscribed to Selective Call Routing via the AIN Platform, BellSouth currently does not have the capability to bill UNE usage elements nor provide DUF records.

Note 2: use end office and tandem V&H coordinates for mileage since these calls may be routed interstate over corporate Network.

# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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**52. *BST Network - N11 Calling – Interoffice***  
*(excluding 611 in FL, GA, NC and SC)*



**BST bills CLECA**

-- 1 ULS-SFs (unbundled switching -

## Record Exchange

ODUF 10-01-18

## Network and other Networks

## Billing Concept

## Usage Recordings

**Call Code 006/072 is made at the End Office.**

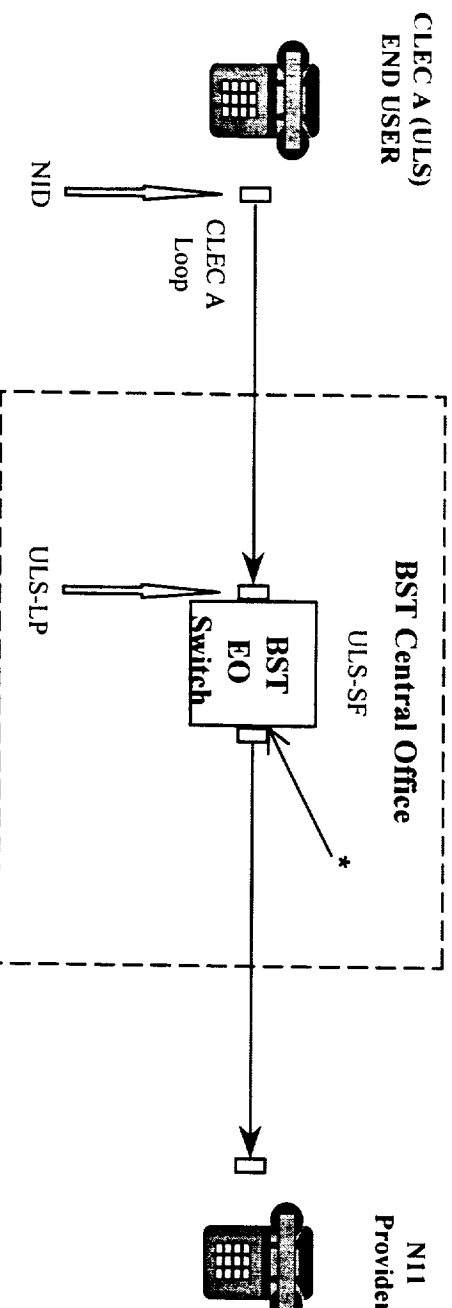
attempts. No terminating recording.

to the type of service will be made.

**NOTE:** Call code 006 records are related

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# **UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS** **52A. BST Network - N11 Calling - Intraoffice/Intrawitch** *(excluding 611 in FL, GA, NC and SC)*



## **Billing Concept**

- Unbundled Network Elements

## **Usage Recordings**

- Call Code 001/072 (NOT MBI13) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

\* indicates demarcation between UNE Network and other Networks

## **BST bills CLEC A**

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching)

## **Billing Factors**

- NA

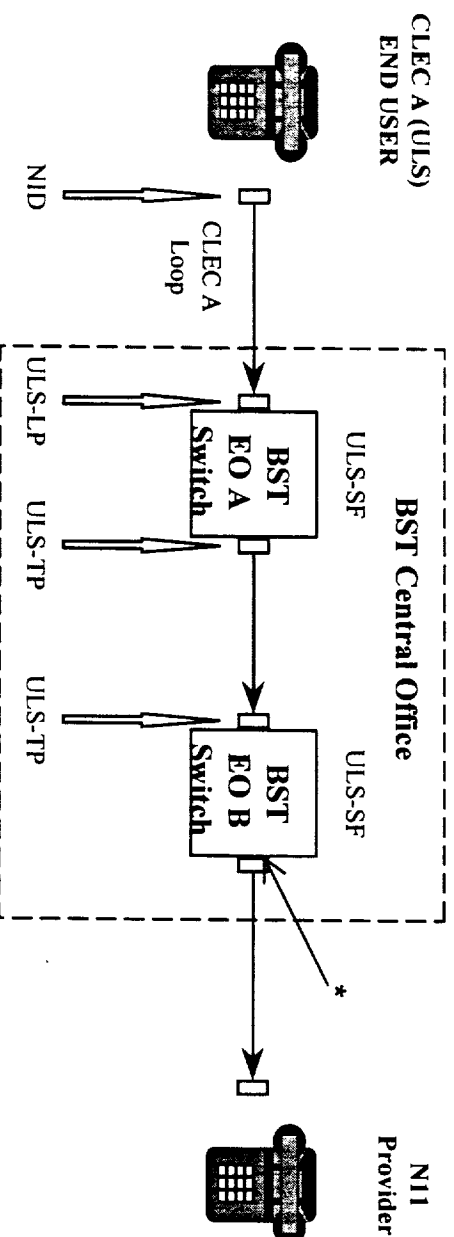
## **Record Exchange**

BellSouth sends CLEC A  
ODUF 10-01-18

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 52B. BST Network - N11 - Intraoffice/Interswitch

(excluding 611 in FL, GA, NC and SC)



### Billing Concept

-- Unbundled Network Elements

### Usage Recordings

- Call Code 001/072 (NOT MB113) is made at the End Office. No tandem indicator, no access time, no attempts. No term recording.
- Normal EO recordings appropriate to the type of service will be made.

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)

### Billing Factors

-- NA

### Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-18

\* indicates demarcation between UNE  
Network and other Networks

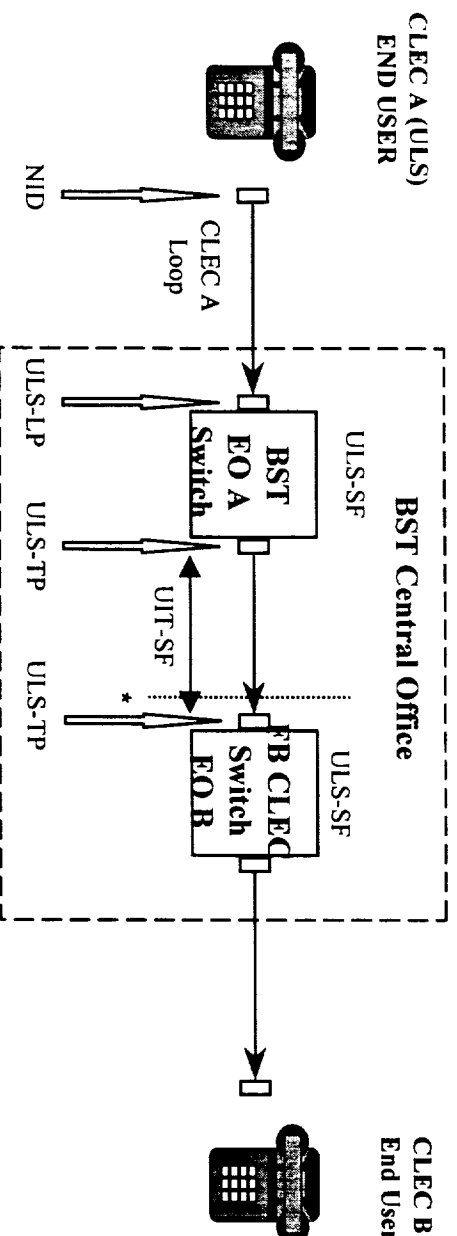
# ***UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS***

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# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 54. Multi-Network – Calling Within a 7 and 10 Digit Dialing Scope

### *Intraoffice/Interswitch FB CLEC Switch Co-located in BST CO*



#### Billing Concept

- Unbundled Network Elements
- Assume 1st 8 characters of FB CLEC CLLI code are same as BST EO A

#### Usage Recordings

- Call Code 001 (NOT MB113)/CC006/CC072 is made at the End Office A. No tandem indicator, no access time, no attempts. No term recording.

\* indicates demarcation between UNE Network and other Networks

#### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating, summarized at originating & terminating EO A)
- 2 ULS-TPs (trunk ports)
- UIT-S (unbundled transport, fixed, mileage calculated from EO A to EO B) (zero transport miles since V&H's for EO A and B are the same )

#### Billing Factors

- NA

#### Record Exchange

- BellSouth sends CLEC A ODUF 10-01-31 (See Local/Toll Exceptions)

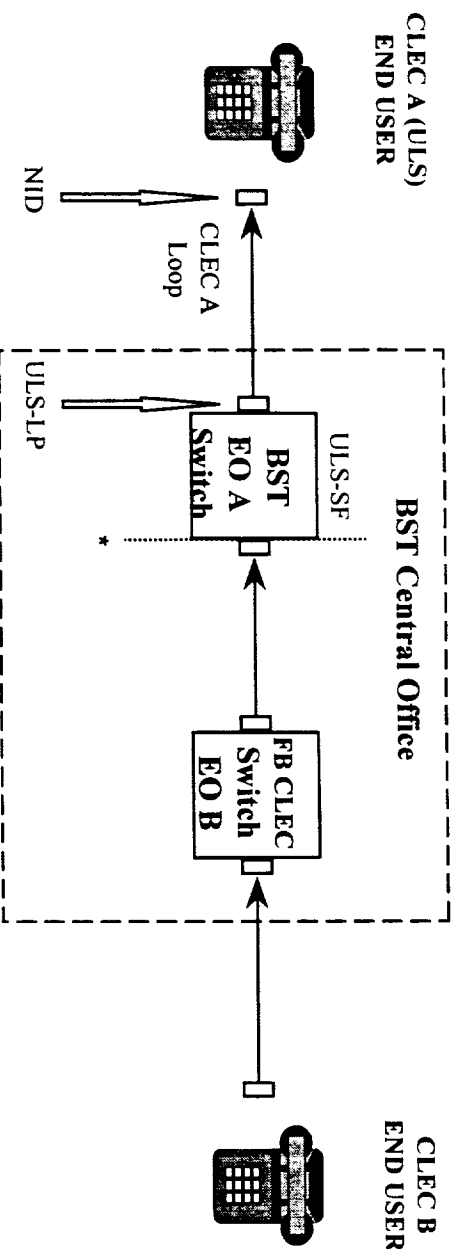
#### FB CLEC B Billing

- The Industry has not established how CLEC B may Bill CLEC A for reciprocal compensation. In the interim, BST shall bill the terminating EO switching to CLEC A and pay Reciprocal compensation to CLEC B as such calls appear to be originated by BST end users.

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 55. Multi-Network LOCAL CALLING

### *Intraoffice/Interswitch FB CLEC Switch Co-located in BST CO*



#### Billing Concept

-- Unbundled Network Elements

#### Usage Recordings

-- Call Code 119, 720 made at End Office A.

#### BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- ULS-SF (unbundled local switching - terminating)

#### CLEC A bills CLEC B

-- Local Interconnection / charges per agreement (recovers cost for ULS-SF)

#### Billing Factors

-- NA

#### Record Exchange

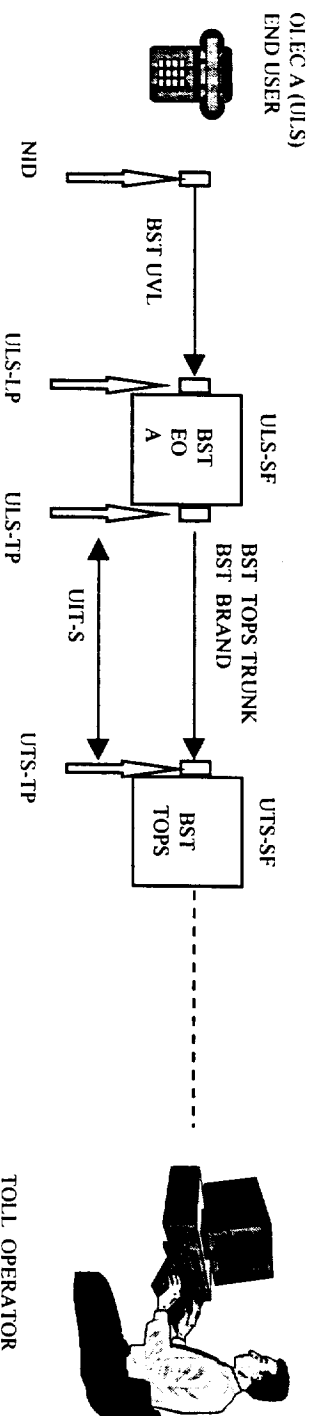
BellSouth sends CLEC A

ADUF Terminating 11-01-01

\* indicates demarcation between UNE Network and other Networks

# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 01. OPERATOR CALL PROCESSING - NO ATTEMPT - BST BRAND OR UNBRANDED ZERO MINUS



### Billing Concept

- Unbundled Network Elements

### Usage Recordings

- Call Code 196 made at the TOPS (no attempts) (use elapsed time)
- Call Code 189(non-billable)
- Call Code 192 (DA charges/credits)

Query Operator only -  
Call is NOT outpulsed  
Operator Call Handling  
NOT subsequent to DA

### BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)
- 1 ULS-TPs (end office trunk port)
- UIT-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO to TOPS)
- 1 UTS-SF (tandem trunk port - full)
- 1 UTS-SF (unbundled tandem switching - full)
- Per call/minute operator charges per CLEC contract
- DA charges/credits (CC 192)

### Billing Factors

- NA

### Record Exchange

BellSouth sends CLEC A  
ODUF 10-01-01

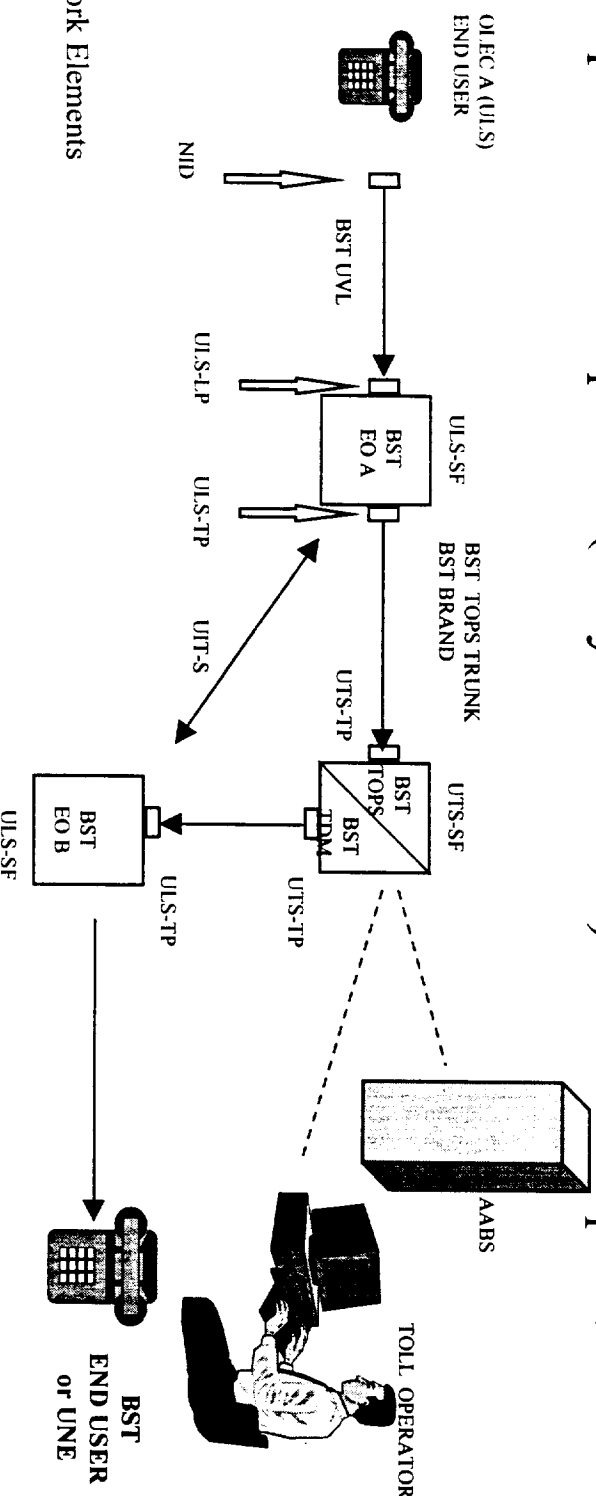


# UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

## 02. OPERATOR CALL PROCESSING - BST BRAND OR UNBRANDED

### ZERO MINUS or ZERO PLUS

### Incomplete Call Completion (Busy/No Answer) or Call Completion



### Billing Concept

-- Unbundled Network Elements

### Usage Recordings

-- Call Code 192 made at the TOPS

TOPS functions like tandem, but no tandem indicator in call detail (use elapsed time)

-- Call Code 189 (non-billable)

-- Call Code 192 (DA charges/credits)

CLEC end user dials 0 - BST Operator dials terminating number and handles billing or CLEC end user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion or call completed

### BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A)

-- 2 ULS-TPs (end office trunk ports)

-- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO A to BST EO B)

-- 2 UTS-TP (unbundled full tandem trunk ports)

-- UTS-SF (unbundled full tandem switching)

-- Per call/minute operator charges per CLEC contract

-- DA charges/credits (CC 192)

### Billing Factors

-- NA

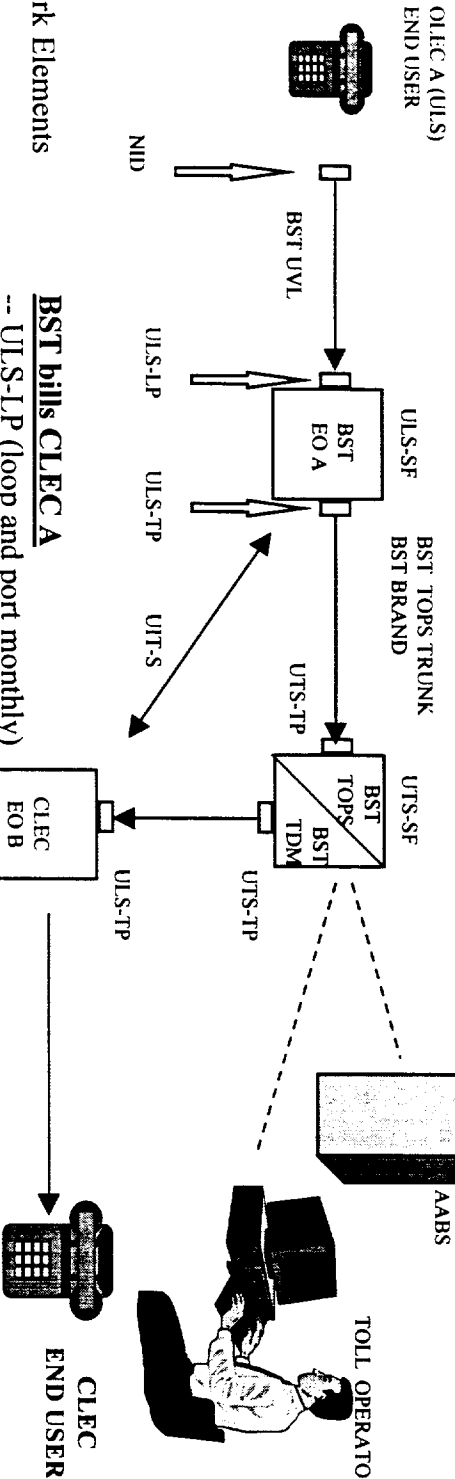
### Record Exchange

BellSouth sends CLEC A

ODUF 10-01-31 or 10-01-01

(indicator 18 set to 2)

ZERO MINUS or ZERO PLUS LOCAL, Incomplete Call Completion  
(Busy/No Answer) or Call Completion to CLEC



## Billing Concept

## -- Unbundled Network Elements

## Usage Recordings

- ```
-- Call Code 192 made at the TOPS
TOPS functions like tandem, but no
tandem indicator in call detail
(use elapsed time)
-- Call Code 189 (non-billable)
-- Call Code 192 (DA charges/credits)
```

CI.EC end user dials 0 - BST Operator dials terminating number and handles billing or CI.EC end user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion or call completed

BST bills CLECA

- | | EO B |
|---|---------|
| --ULS-LP (loop and port monthly) | |
| --2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO A) | ULS-SFs |

```
-- 2 ULS-TPs (end office trunk ports)
-- UTS-S (unbundled transport-shared, fixed and
per mile, mileage calculated from BST EO A to CLEC EO B)
-- 2 UTS-TP (unbundled full tandem trunk ports)
-- UTS-SF (unbundled full tandem switching)
(Note: only bill 1 UTS-SF even though sometimes switching
in TOPS and in TDM occur)
-- Per call/minute operator charges per CLEC contract
-- DA charges/credits (CC 192)
```

FB CLEC may bill BST

Reciprocal Compensation

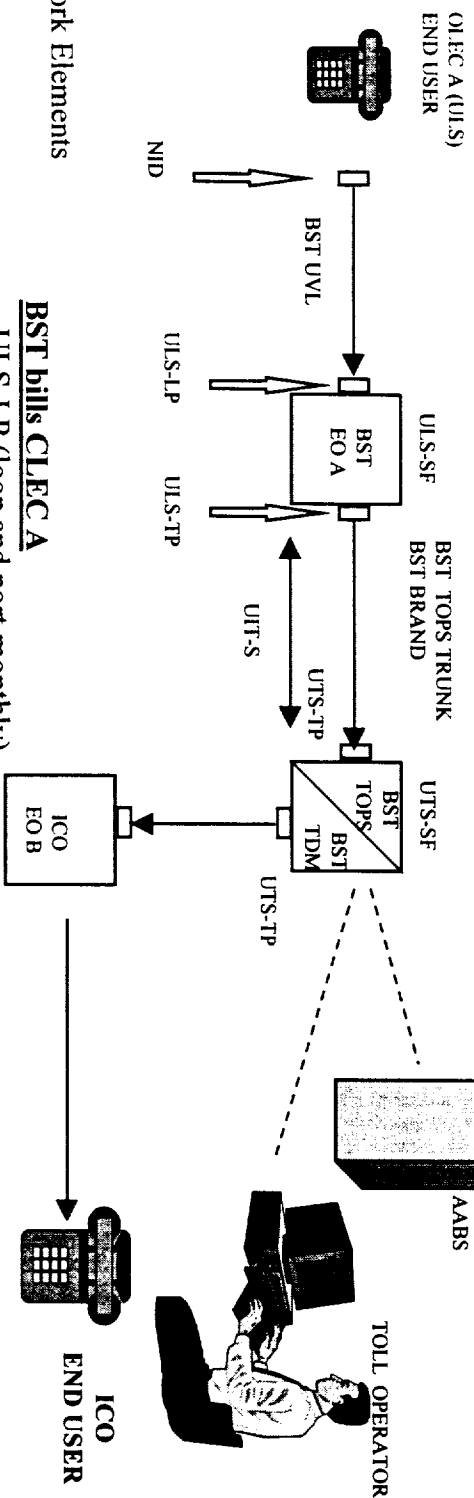
Billing Factors

NA

Record Exchange

**BellSouth sends CLEC A
ODUF 10-01-31 or 10-01-01
(indicator 18 set to 2)**

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS O2B. OPERATOR CALL PROCESSING - BST BRAND or UNBRANDED ZERO MINUS or ZERO PLUS LOCAL, Incomplete Call Completion (Busy/No Answer) or Call Completion to Independent Company



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 192 made at the TOPS TOPS functions like tandem, but no tandem indicator in call detail (use elapsed time)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

CLEC end user dials 0 - BST Operator dials terminating number and handles billing or CLEC end user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion or call completed

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BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)
- 1 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO A to TOPS)
- 2 UTS-TP (unbundled full tandem trunk ports)
- UTS-SF (unbundled full tandem switching)
- Per call/minute operator charges per CLEC contract
- DA charges/credits (CC 192)

BST/ICO

Local is bill & keep (no settlement)

Billing Factors

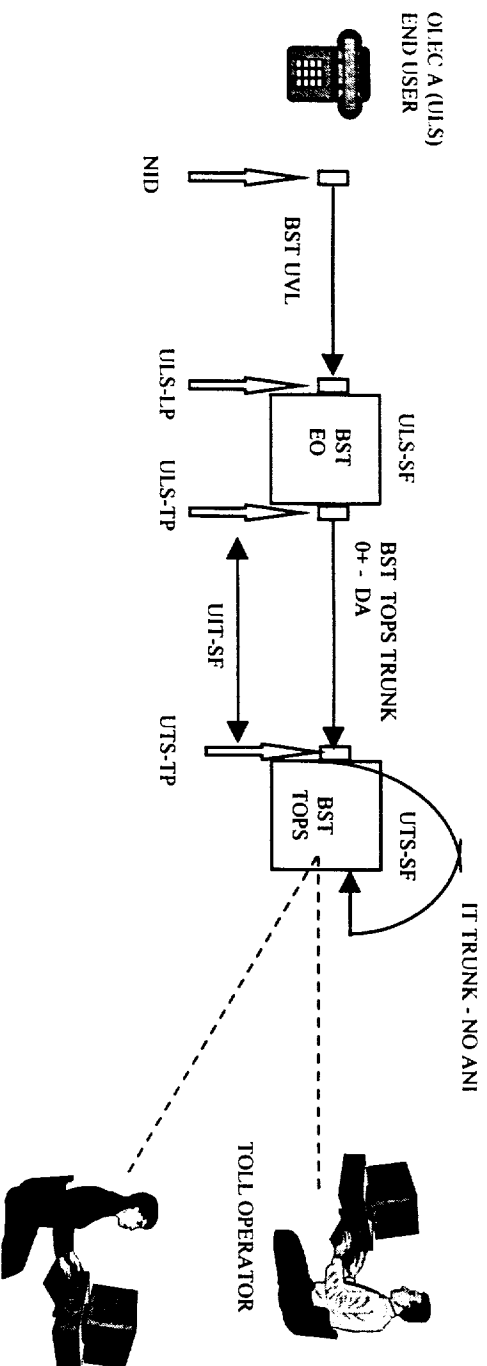
-- NA

Record Exchange

BellSouth sends CLEC A
 ODUF 10-01-31 or 10-01-01
 (indicator 18 set to 2)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

03. ZERO PLUS - OPERATOR CALL PROCESSING- BST BRAND OR UNBRANDED 0+ DIRECTORY ASSISTANCE



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 192 made at the TOPS (module 052) (use elapsed time)
- Call Code 195 made at TOPS is discarded
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

BST and OLECs on trunk group
End user dials: East: 0+411
West: 0+411
0+ Home NPA 555

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO)
- 1 ULS-TPs (end office trunk ports)
- UIT-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO to TOPS)
- 1 UTS-TP (unbundled full tandem trunk port)
- 1 UTS-SF (unbundled tandem switching - full)
- Per call/minute operator charges per CLEC contract
- DA charges/credits (CC 192)

Billing Factors

-- NA

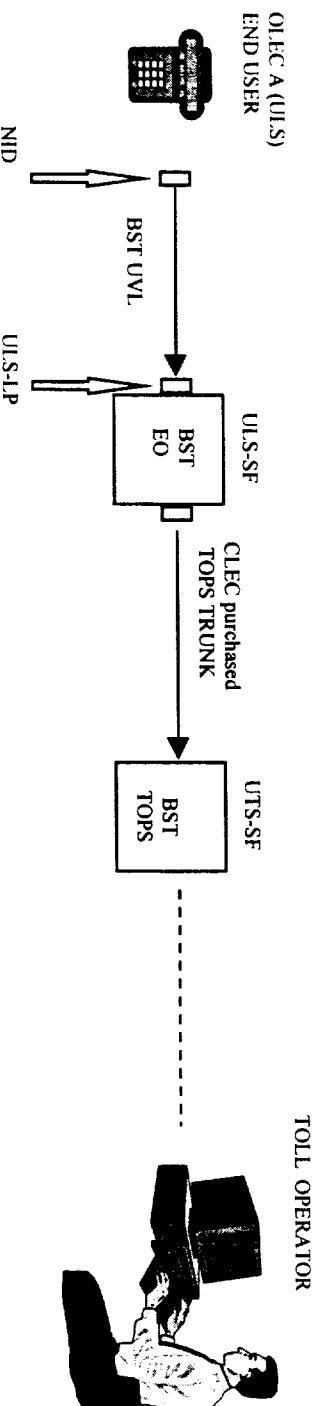
Record Exchange

BellSouth sends CLEC A
ODUF 10-01-32

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

04. OPERATOR CALL PROCESSING -NO ATTEMPT

CLEC BRAND - LINE CLASS CODE METHOD



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 196 made at the TOPS
(use elapsed time)

BST bills CLEC A

-- ULS-LP (loop and port monthly)
-- 1 ULS-SFs (unbundled switching -
originating, summarized at originating EO)
-- 1 UTS-SF (unbundled tandem switching - full)

Billing Factors

-- N/A

Record Exchange

BellSouth sends CLEC A
ODUF 10-01-01

ZERO MINUS
NO ATTEMPT
ANI

Query Operator only
Operator Call Handling NOT subsequent to DA

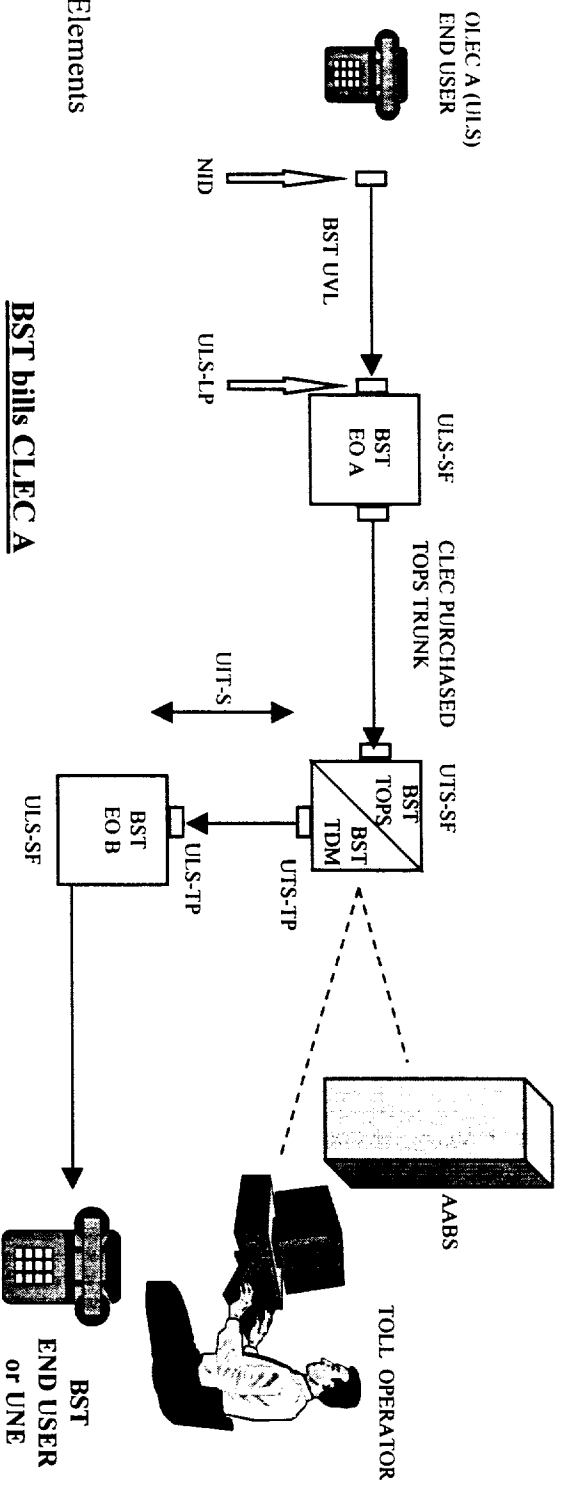
CLEC orders Customized Routing /LCCs

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

06. OPERATOR CALL PROCESSING - CLEC BRAND

ZERO MINUS or ZERO PLUS - LINE CLASS CODE METHOD

Incomplete Call Completion (Busy/No Answer) or Call Completed



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 192 made at TOPS
- Assumes line class code method
- TOPS functions like a tandem
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO)
- 1 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport, fixed and per mile with mileage from TOPS to EO B)
- 1 UTS-TP (full tandem trunk ports)
- 1 UTS-SF (unbundled full tandem switching)
- DA charges/credits (CC 192)

Billing Factors

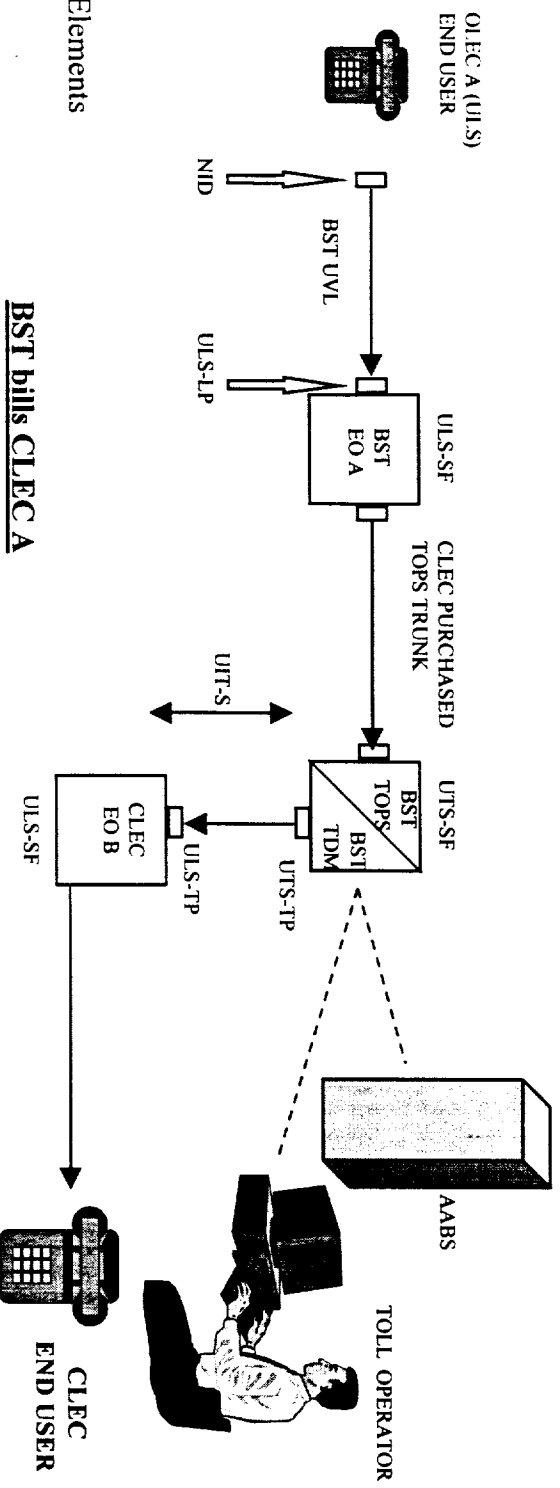
-- NA

Record Exchange

BellSouth sends CLEC A
ODUF 10-01-31 or 10-01-01
(indicator 18 set to 2)

CLEC End User dials 0- BST Operator dials terminating number and handles billing or CLEC End user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion Call is NOT answered or Call is answered.

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 06A. OPERATOR CALL PROCESSING - CLEC BRAND ZERO MINUS or ZERO PLUS LOCAL-LINE CLASS CODE METHOD Incomplete Call Completion (Busy/No Answer) or Call Completed to CLEC



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 192 made at TOPS Assumes line class code method TOPS functions like a tandem
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

CLEC End User dials 0- BST Operator dials terminating number and handles billing or CLEC End user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion Call is NOT answered or Call is answered.

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 2 ULS-SFs (unbundled switching - originating and terminating, summarized at originating EO)
- 1 ULS-TPs (end office trunk ports)
- UTS-S (unbundled transport, fixed and per mile with mileage from TOPS to EO B)
- 1 UTS-TP (full tandem trunk ports)
- 1 UTS-SF (full tandem switching)
- DA charges/credits (CC 192)

FB CLEC may bill BST

Reciprocal Compensation per agreement

Billing Factors

-- NA

Record Exchange

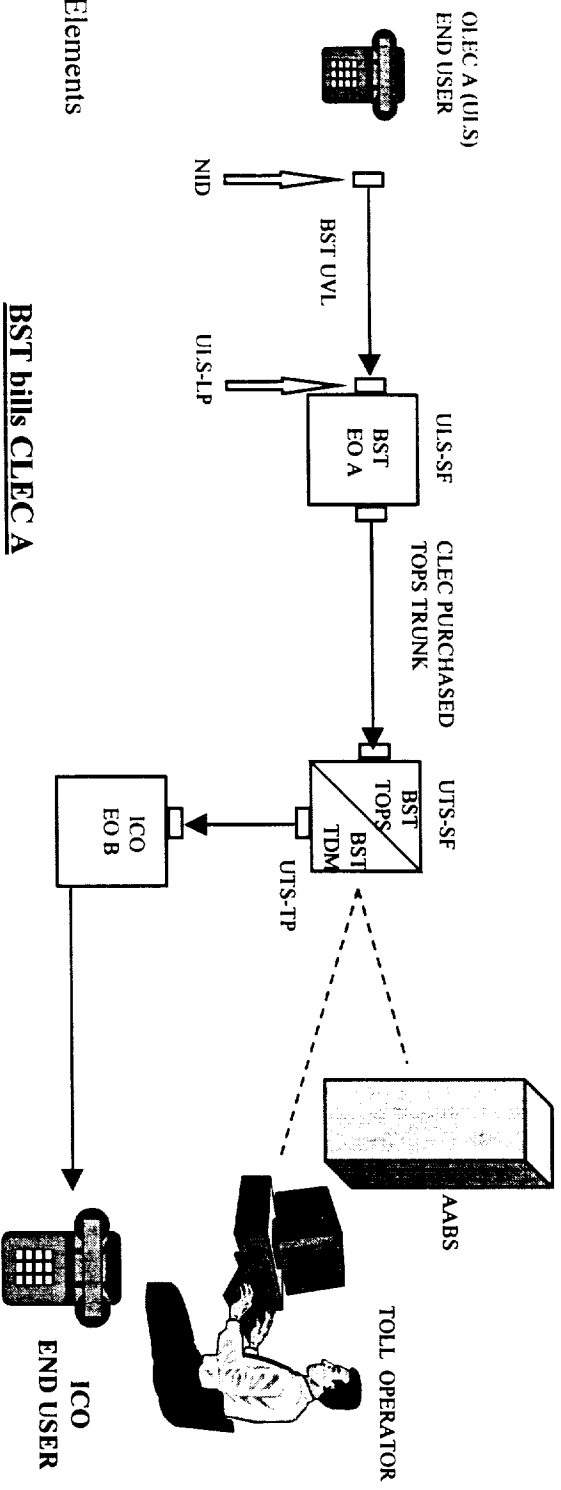
BellSouth sends CLEC A
 ODUF 10-01-31 or 10-01-01
 (indicator 18 set to 2)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

O6B. OPERATOR CALL PROCESSING - CLEC BRAND

ZERO MINUS or ZERO PLUS LOCAL - LINE CLASS CODE METHOD

Incomplete Call Completion (Busy/No Answer) or Call Completed to ICO



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 192 made at TOPS
- Assumes line class code method
- TOPS functions like a tandem
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

CLEC End User dials 0- BST Operator dials terminating number and handles billing or CLEC End user dials 0+ terminating number Operator Call Handling NOT subsequent to DA Operator Call Handling - Incomplete Call Completion Call is NOT answered or Call is answered.

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BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)
- 1 UTS-TP (full tandem trunk port)
- 1 UTS-SF (full tandem switching)
- DA charges/credits (CC 192)

BST/ICO

Local is bill & keep (no settlement)

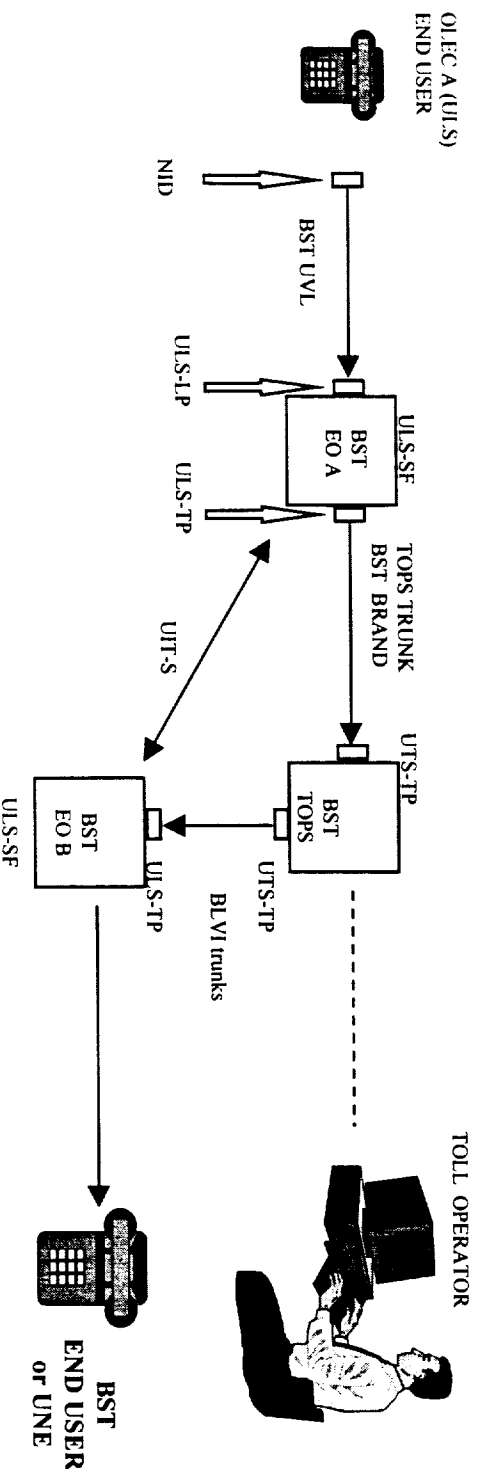
Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A
ODUF 10-01-31 or 10-01-01
(indicator 18 set to 2)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 08. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT BST BRAND or UNBRANDED



Billing Concept

--- Unbundled Network Elements

Usage Recordings

-- Call Code 198 made at the TOPS
 TOPs functions like a tandem
 Use elapsed time

Operator Call Handling NOT subsequent to DA

BST bills CLEC A

-- ULS-LP (loop and port monthly)
 -- 2 ULS-SFs (unbundled switching -
 originating and terminating, summarized
 at originating EO A)
 -- 2 ULS-TPs (end office trunk ports)
 -- UTS-S (unbundled transport-shared, fixed and
 per mile, mileage calculated from BST EO A to EO B)
 -- 2 UTS-TP (full tandem trunk ports)
 -- UTS-SF (unbundled full tandem switching)
 Per message charge

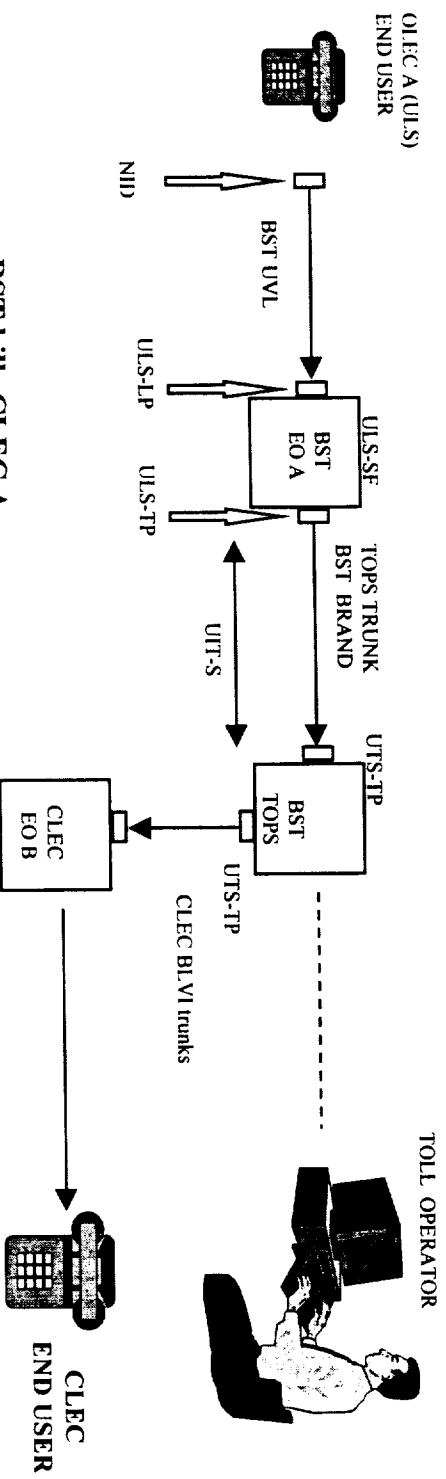
Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A
 ODUF 10-01-35 (verify only)
 ODUF 10-01-37 (verify/Interrupt)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS O8A. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT to CLEC - BST BRAND or UNBRANDED



BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - summarized at originating EO A)
- 1 ULS-TPs (end office trunk port)
- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO A to TOPS)
- 1 UTS-TP (full tandem trunk port)
- UTS-SF (unbundled full tandem switching)
- Per message charge

Billing Factors

-- NA

Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-35 (verify only)
- ODUF 10-01-37 (verify/Interrupt)

Billing Concept

- Unbundled Network Elements

Usage Recordings

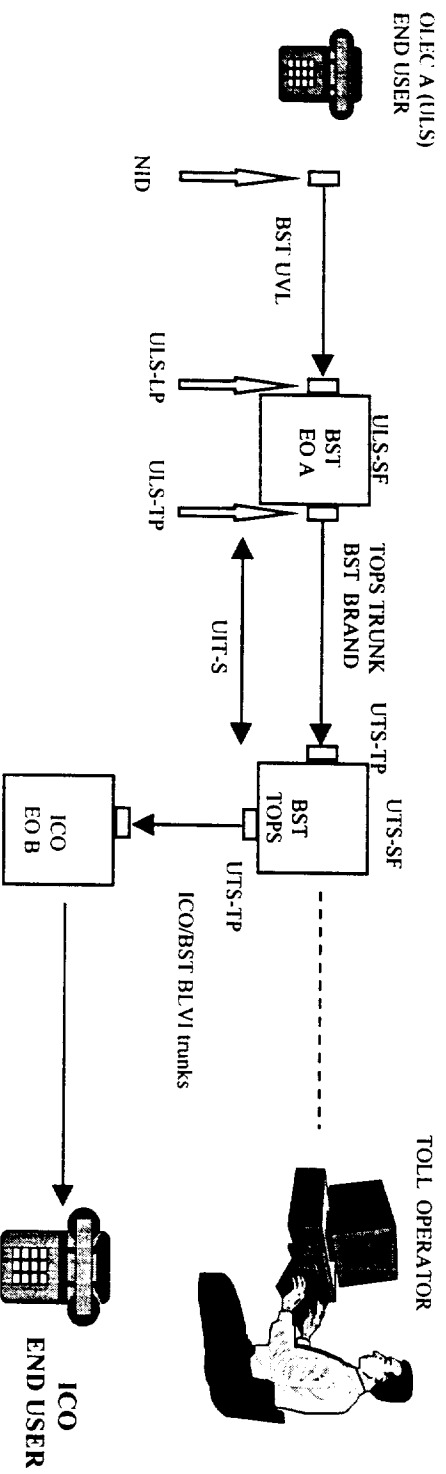
- Call Code 198 made at the TOPS
- TOPs functions like a tandem
- Use elapsed time

Operator Call Handling NOT subsequent to DA

FB CLEC may bill BST

No Reciprocal Compensation is billed since CLEC B does not make a recording

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 08B. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT to ICO - BST BRAND or UNBRANDED



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 198 made at the TOPS
TOPS functions like a tandem
Use elapsed time

BST bills CLEC A

-- ULS-LP (loop and port monthly)
-- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)
-- 1 ULS-TPs (end office trunk ports)
-- UTS-S (unbundled transport-shared, fixed and per mile, mileage calculated from BST EO A to TOPS)
-- 2 UTS-TP (full tandem trunk ports)
-- UTS-SF (unbundled full tandem switching)
Per message charge

Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A
ODUF 10-01-35 (verify only)
ODUF 10-01-37 (verify/Interrupt)

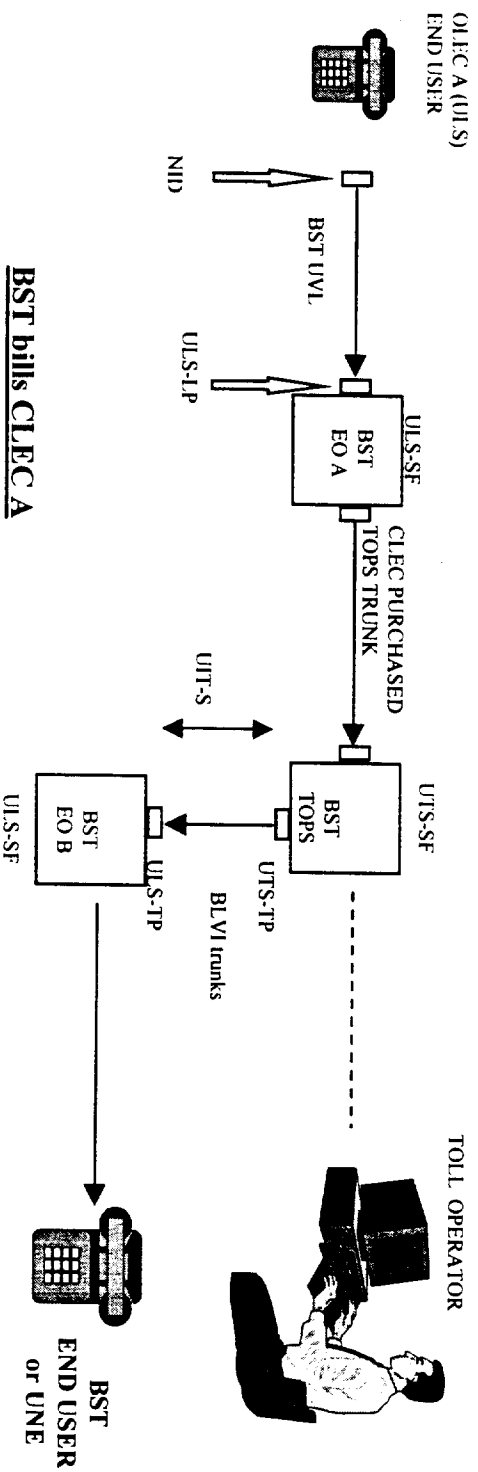
Operator Call Handling NOT subsequent to DA

BST/ICO

Local is bill & keep (no settlement)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

09. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT CLEC BRANDED



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 198 made at the TOPS
TOPS functions like a tandem
Use elapsed time

Operator Call Handling NOT subsequent to DA

BST bills CLEC A

-- ULS-LP (loop and port monthly)
-- 2 ULS-SFs (unbundled switching -
originating and terminating, summarized
at originating EO A)
-- 1 ULS-TPs (end office trunk ports)
-- UTS-S (unbundled transport-shared, fixed and
per mile, mileage calculated from BST TOPS to EO B)
-- 1 UTS-TP (full tandem trunk ports)
-- UTS-SF (unbundled full tandem switching)
Per message charge

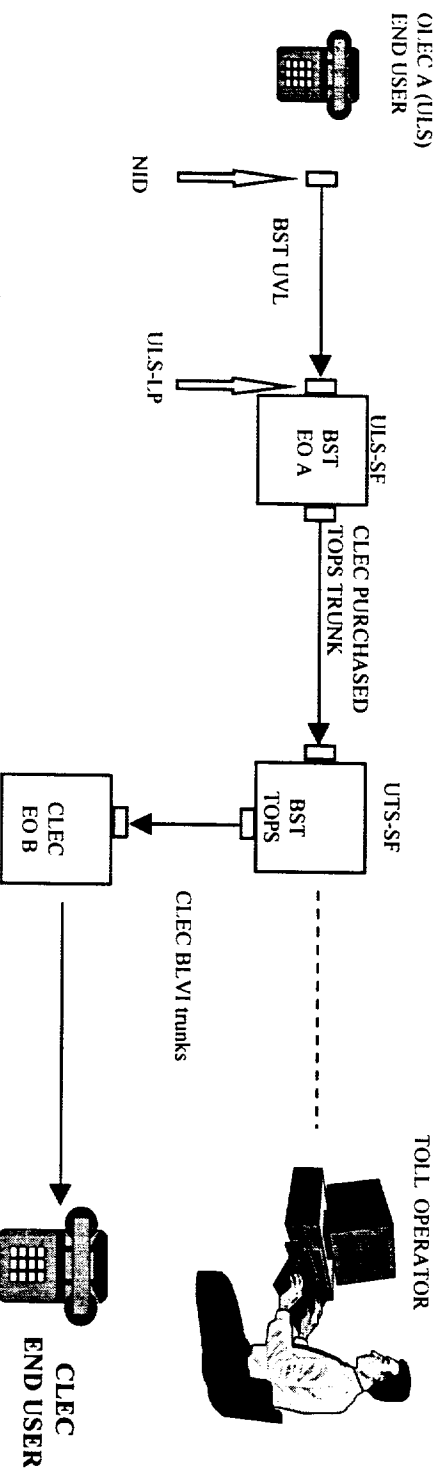
Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A
ODUF 10-01-35 (verify only)
ODUF 10-01-37 (verify/Interrupt)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 09A. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT to CLEC - CLEC BRANDED



Billing Concept

-- Unbundled Network Elements

Usage Recordings

-- Call Code 198 made at the TOPS
TOPs functions like a tandem
Use elapsed time

BST bills CLEC A

-- ULS-LP (loop and port monthly)
-- 1 ULS-SFs (unbundled switching -
originating, summarized at originating EO A)
-- UTS-SF (unbundled full tandem switching)
Per message charge

FB CLEC may bill BST

No Reciprocal Compensation is billed since CLEC B
does not make a recording

Billing Factors

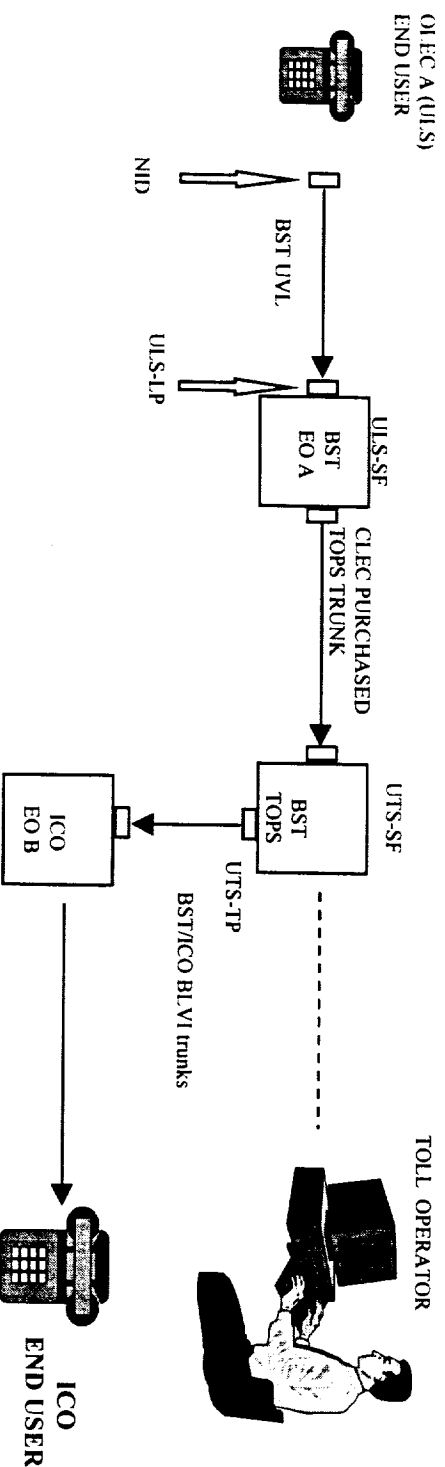
-- NA

Record Exchange

BellSouth sends CLEC A
ODUF 10-01-35 (verify only)
ODUF 10-01-37 (verify/Interrupt)

Operator Call Handling NOT subsequent to DA

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 09B. OPERATOR CALL PROCESSING - BUSY LINE VERIFY & INTERRUPT to ICO - CLEC BRANDED



Billing Concept

- Unbundled Network Elements

Usage Recordings

- Call Code 198 made at the TOPS
- TOPs functions like a tandem
- Use elapsed time

Operator Call Handling NOT subsequent to DA

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BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)

- 1 UTS-TP (full tandem trunk ports)
- UTS-SF (unbundled full tandem switching)
- Per message charge

BST/ICO

Local is bill & keep (no settlement)

Billing Factors

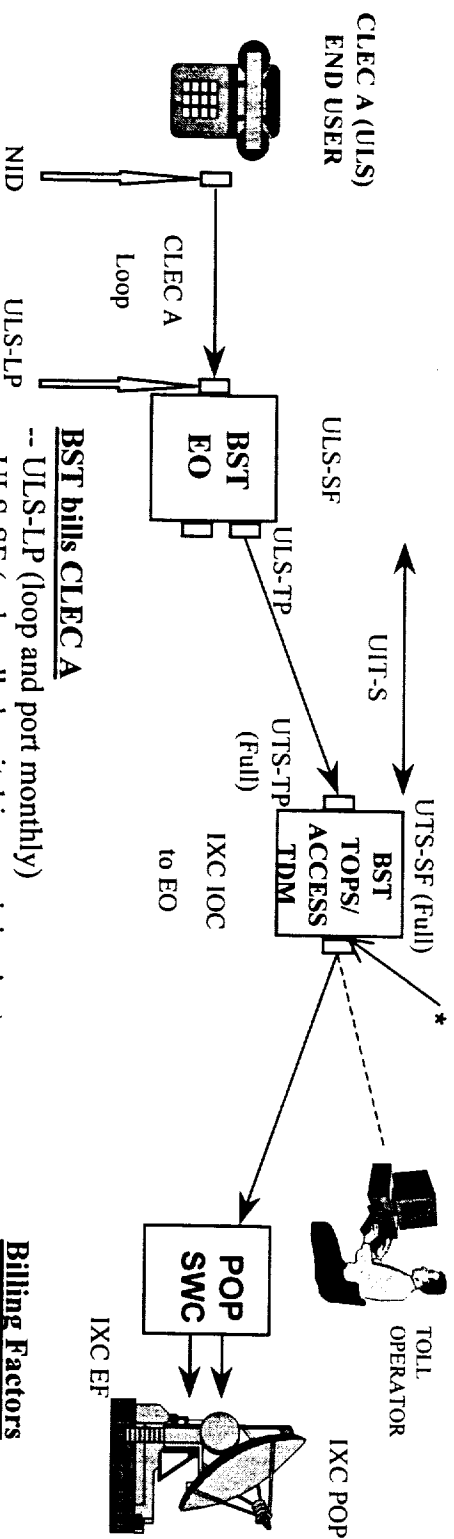
- NA

Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-35 (verify only)
- ODUF 10-01-37 (verify/Interrupt)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

09C. OPERATOR TRANSFER SERVICE



Billing Concept

- Access Reform
- Unbundled Network Elements

Usage Recordings

- Call Code 190

BSST bills CLEC A

- ULS-LP (loop and port monthly)
- ULS-SF (unbundled switching - originating) Charges below apply if IXC tandem routed
- ULS-TP (end office trunk ports)
- UTS-S (unbundled transport - shared, mileage from BSST EO and BSST AT, fixed and per mile)
- UTS-TP (unbundled full rate tandem trunk ports)
- UTS-SF (unbundled full rate tandem switching)

CLEC A bills IXC

- Originating Access as agreed upon between CLEC A & IXC

BSST bills IXC

- Dedicated Switched Local Channel (Entrance Facility)
- Dedicated Switched Transport (between POP SWC and Access Tandem)
- Operator Transfer Charge

Billing Factors

- IXC will provide PUs to BSST and CLEC A

Record Exchange

- BSST will send originating access records via ADUF to CLEC A so that CLEC A can bill the IXC

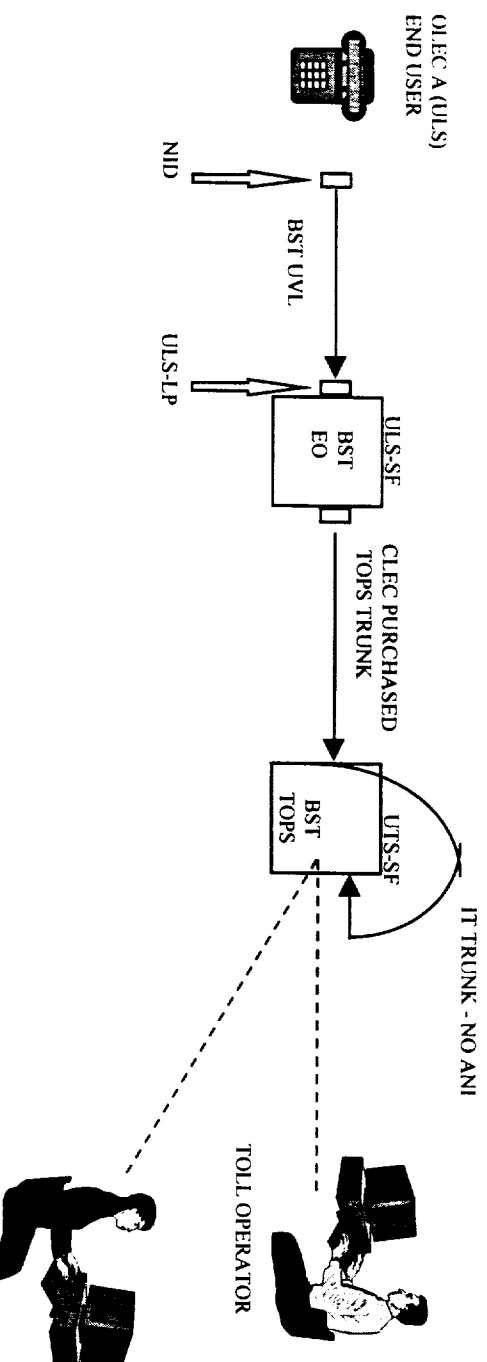
Demarcation Point between UNE Network and IXC Network

Access Tandem Switch

* indicates demarcation between UNE Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

010. ZERO PLUS - DIRECTORY ASSISTANCE - CLEC BRAND



Billing Concept

- Unbundled Network Elements

Usage Recordings

- Call Code 192 made at the TOPS (module 052) (use elapsed time)
- Call Code 195 from TOPS is discarded
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)
- 0 + 411 or Home NPA 555

BSF bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A)
- UTS-SF (Unbundled tandem switching full)
- DA charges/credits (CC 192)

Billing Factors

- NA

Record Exchange

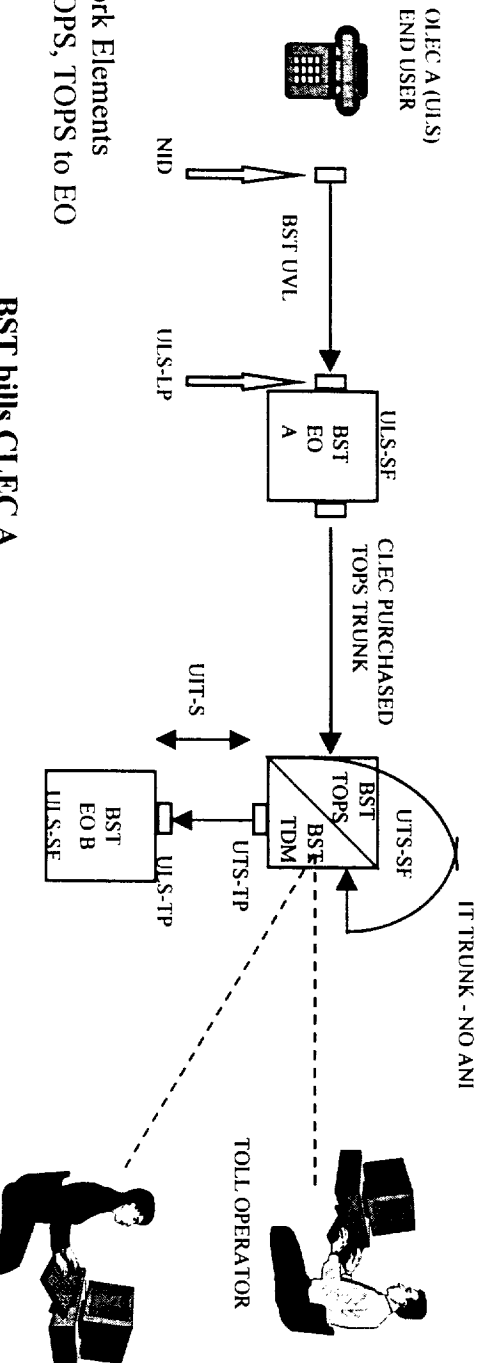
BellSouth sends CLEC A
ODUF 10-01-32

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

010A. ZERO PLUS - DIRECTORY ASSISTANCE with DACC

- CLEC BRAND

Billing Concept
 -- Unbundled Network Elements
 (2 calls: UNE to TOPS, TOPS to EO B)
 B)



BST bills CLEC A

Usage Recordings
 -- Call Code 192 made at the TOPS (module 052) actual terminating TN for DACC in this recording
 -- Call Code 195 from TOPS is discarded
 -- Call code 192 from TOPS with terminating number of 411 or 555-1212 (module 51)
 -- Call Code 189 (non-billable)
 -- Call Code 192 (DA charges/credits)
 0 + 411 or Home NPA 555

BST bills CLEC A
 -- ULS-LP (loop and port monthly)
 -- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A) (CC192/terminating TN 555-1212 or 411)
 -- UTS-SF (unbundled tandem switching full)
 Rate elements below based on CC192 with actual terminating TN
 -- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)
 -- 1 ULS-SFs (unbundled switching - terminating) (CC192)
 -- 1 ULS-TP (end office trunk port) (CC192)
 -- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
 -- DA charges/credits (CC 192)

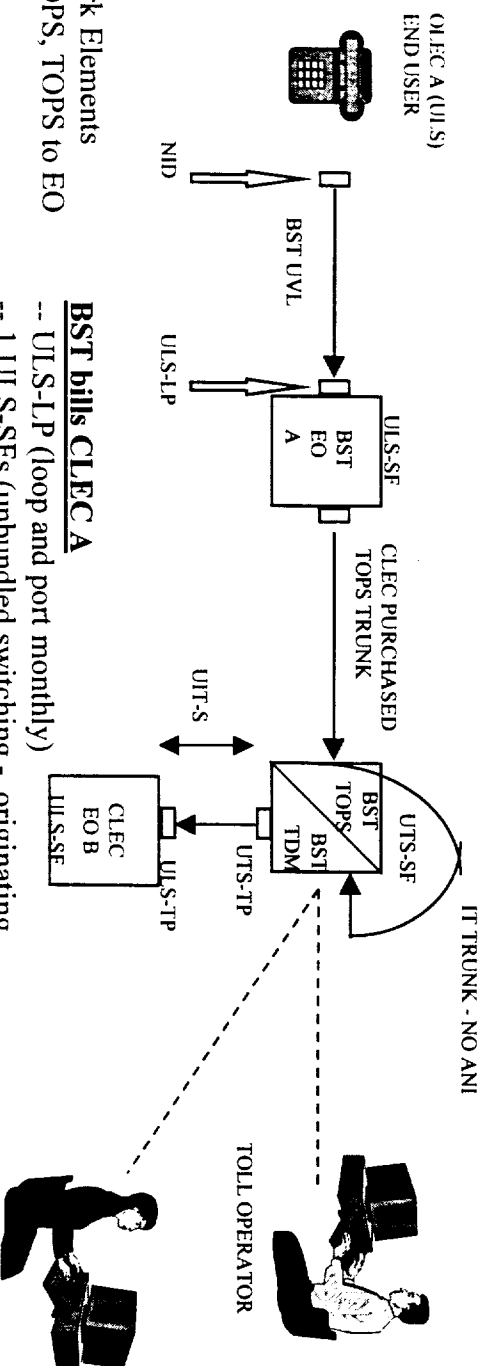
DA OPERATOR

Billing Factors -- NA

Record Exchange

BellSouth sends CLEC A
 ODUF 10-01-32 (DA Record)
 ODUF 10-01-18 (DACC Record)
 ODUF 10-01-01 (completed call)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS
O10AA. ZERO PLUS - DIRECTORY ASSISTANCE with DACC to CLEC
- CLEC BRAND



Billing Concept

- Unbundled Network Elements
(2 calls: UNE to TOPS, TOPS to EO
B)

Usage Recordings

- ```
-- Call Code 192 made at the TOPS
(module 052) actual terminating TN for
DACC in this recording
-- Call Code 195 from TOPS is
discarded
-- Call code 192 from TOPS with
terminating number of 411 or 555-1212
(module 51)
-- Call Code 189 (non-billable)
-- Call Code 192 (DA charges/credits)
```

## 0 + 411 or Home NPA 555

6/22/01

**BST bills CLECA**

- ```
-- ULS-LP (loop and port monthly)
-- ULS-SFs (unbundled switching - originating,
summarized at originating EO A) (CC192/terminating TN
555-1212 or 411)
-- UTS-SF (unbundled tandem switching)
Rate elements below based on CC192 with actual
terminating TN
-- 1 UTS-S (unbundled transport, fixed, mileage calculated
from TOPS to EO B) (CC192)
-- 1 ULS-SFs (unbundled switching - terminating) (CC192)
-- 1 ULS-TP (end office trunk port) (CC192)
-- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
-- DA charges/credits (CC 192)
```

FB CLEC may bill BST

Reciprocal Compensation per agreement

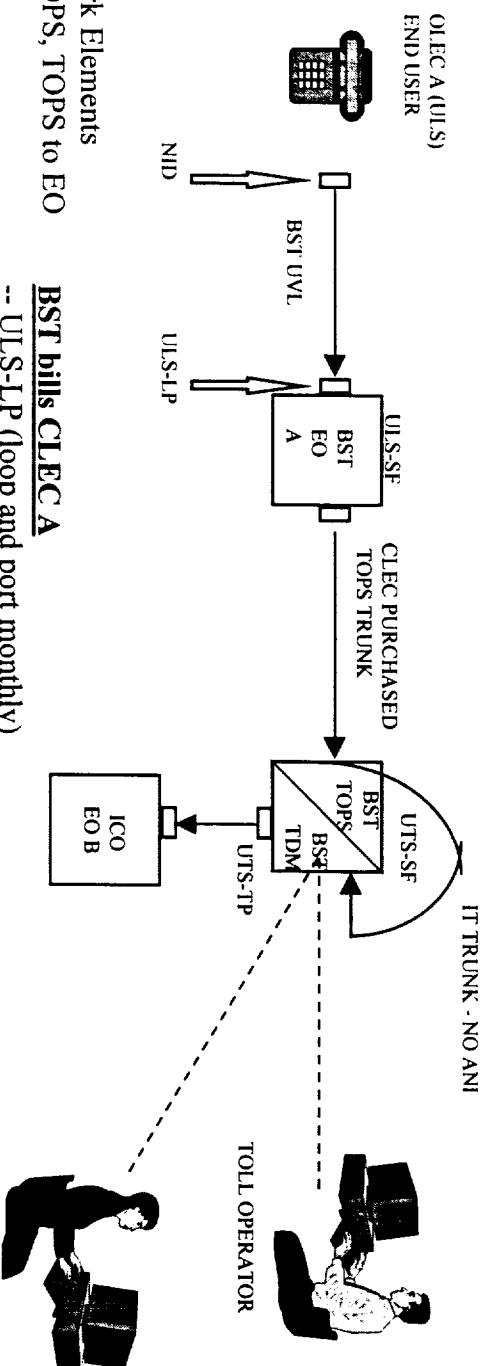
Billing Factors

NA

Record Exchange

BellSouth sends CLEC A
ODUF 10-01-32 (DA Record)
ODUF 10-01-18 (DACC Record)
ODUF 10-01-01 (completed call)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 010AB. ZERO PLUS - DIRECTORY ASSISTANCE with DACC to ICO - CLEC BRAND



Billing Concept

- Unbundled Network Elements
- (2 calls: UNE to TOPS, TOPS to EO B)

Usage Recordings

- Call Code 192 made at the TOPS (module 052) actual terminating TN for DACC in this recording
- Call Code 195 from TOPS is discarded
- Call code 192 from TOPS with terminating number of 411 or 555-1212 (module 51)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

0 + 411 or Home NPA 555

6/22/01

BSL bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO A) (CC192/terminating TN 555-1212 or 411)
- 1 UTS-SF (unbundled tandem switching)
- Rate elements below based on CC192 with actual terminating TN
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

BSL/ICO

Local is bill & keep (no settlement)

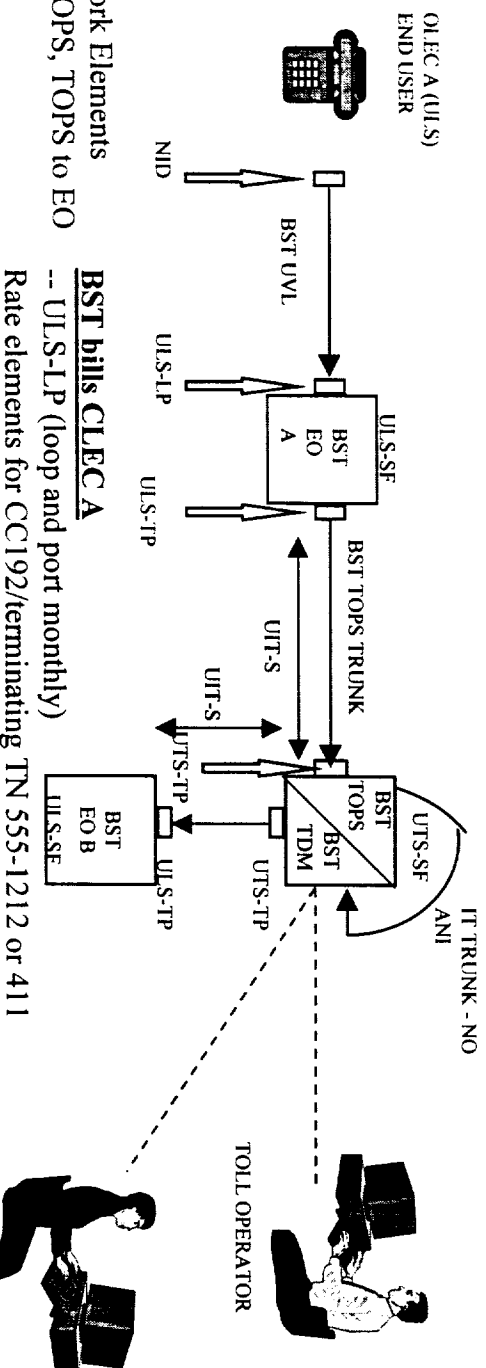
Billing Factors

- NA

Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS 010B. ZERO PLUS - DIRECTORY ASSISTANCE with DACC - BST BRAND OR UNBRANDED



Billing Concept

- Unbundled Network Elements
- (2 calls: UNE to TOPS, TOPS to EO B)

Usage Recordings

- Call Code 192 made at the TOPS (module 052) actual terminating TN for DACC in this recording
- Call Code 195 from TOPS is discarded
- Call code 192 from TOPS with terminating number of 411 or 555-1212 (module 51)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

01 411 or Home NPA 555

6/22/01

BST bills CLEC A

- ULS-LP (loop and port monthly)
- Rate elements for CC192/terminating TN 555-1212 or 411
- 1 ULS-SFs (unbundled switching - orig, summarized at orig EO A)
- 1 ULS-TP (end office trunk port)
- UTS-S (unbundled transport, fixed, mileage calculated from EO A to TOPS)
- UTS-SF (unbundled tandem switching full)
- 1 UTS-TP (tandem office trunk ports-full)
- Rate elements below based on CC192 with actual term TN
- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)
- 1 ULS-SFs (unbundled switching - terminating) (CC192)
- 1 ULS-TP (end office trunk port) (CC192)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

Billing Factors

- NA

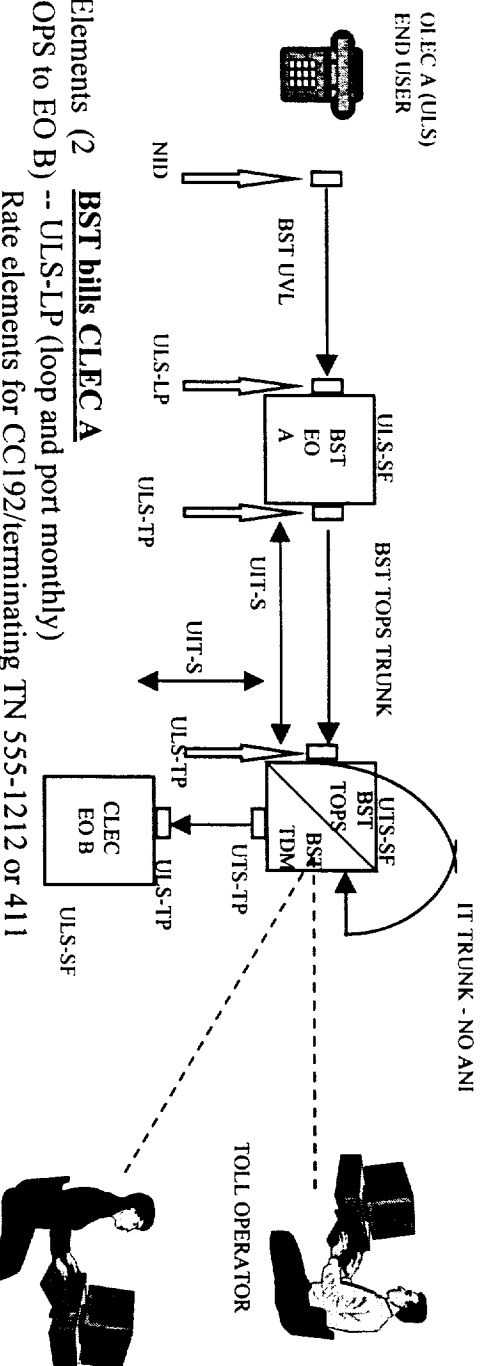
Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

010BA. ZERO PLUS - DIRECTORY ASSISTANCE with DACC to CLEC

- BST BRAND OR UNBRANDED



Billing Concept

- Unbundled Network Elements (2 calls: UNE to TOPS, TOPS to EO B)

Usage Recordings

- Call Code 192 made at the TOPS (module 052) actual terminating TN for DACC in this recording
- Call Code 195 from TOPS is discarded
- Call code 192 from TOPS with terminating number of 411 or 555-1212 (module 51)
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

0 + 411 or Home NPA 555

BST bills CLEC A

- ULS-LP (loop and port monthly)

Rate elements for CC192/terminating TN 555-1212 or 411

- 1 ULS-SFs (unbundled switching - orig, summarized at orig EO A)
- 1 ULS-TP (end office trunk port)
- UTS-S (unbundled transport, fixed, mileage calculated from EO A to TOPS)
- 1 UTS-SF (Unbundled full tandem switching)
- 1 UTS-TP (tandem office trunk ports-full)
- Rate elements below based on CC192 with actual term. TN
- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)
- 1 ULS-SFs (unbundled switching - terminating) (CC192)
- 1 ULS-TP (end office trunk port) (CC192)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

DA OPERATOR

Billing Factors

- NA

Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

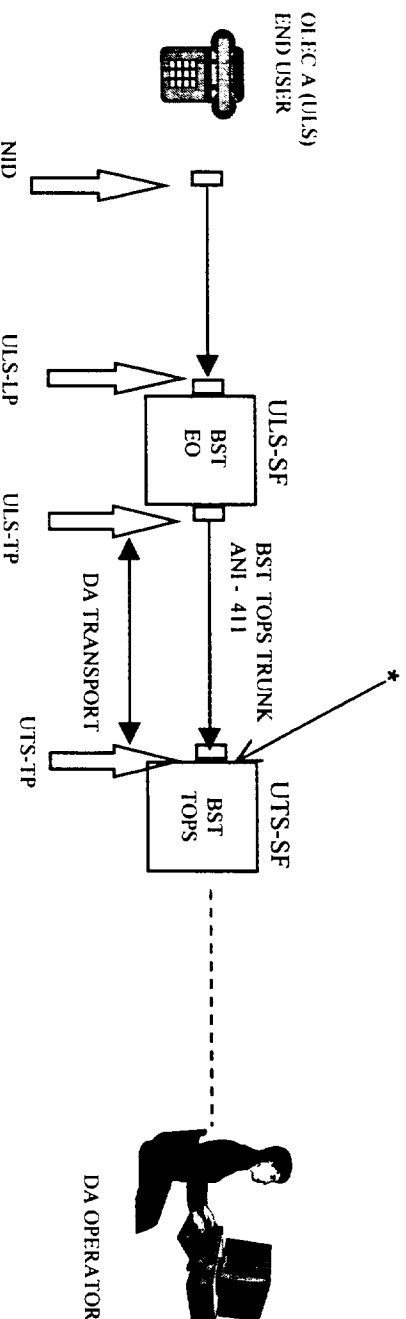
FB CLEC may bill BST

Reciprocal Compensation per agreement

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

D1. DIRECTORY ASSISTANCE - BST BRAND, UNBRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



Billing Concept

-- Unbundled Network Elements

Note: all DA calls are considered local

Usage Recordings

-- Call Code 194 is made at the TOPS (note: BST branded and unbranded use different BST TOPS trunk facilities)

Unbranded contains all unbranded CLECs)

-- Call Code 189 (non-billable)

-- Call Code 192 (DA charges/credits)

End User dials:

Eastern States - 411

Western States - 1+411

or Home NPA 555

Call is not completed

6/22/01

BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO)

- 1 ULS-TPs (end office trunk ports)

-- UTS-S (unbundled transport, fixed, mileage calculated from EO to TOPS)

-- UTS-SF (unbundled tandem switching full)

-- 1 UTS-TP (unbundled full tandem trunk port)

-- DA charges/credits (CC 192)

Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A

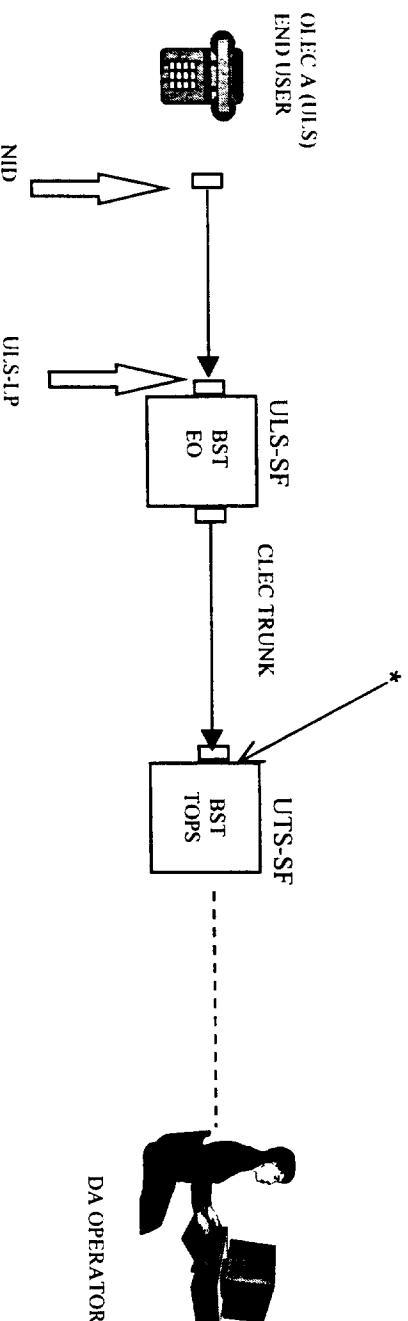
ODUF 10-01-32

* indicates demarcation between UNE Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

D2. DIRECTORY ASSISTANCE - CLEC BRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



Billing Concept

-- Unbundled Network Elements

Note: all DA calls are considered local

Usage Recordings

-- Call Code 194 is made at the TOPS

-- Call Code 189 (non-billable)

-- Call Code 192 (DA charges/credits)

End User dials:

Eastern States - 411

Western States - 1+411

or Home NPA 555

Call is not completed

BST bills CLEC A

-- ULS-LP (loop and port monthly)

-- 1 ULS-SFs (unbundled switching - originating, summarized at originating EO

-- UTS-SF (unbundled tandem switching full)

-- DA charges/credits (CC 192)

Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A

ODUF 10-01-32

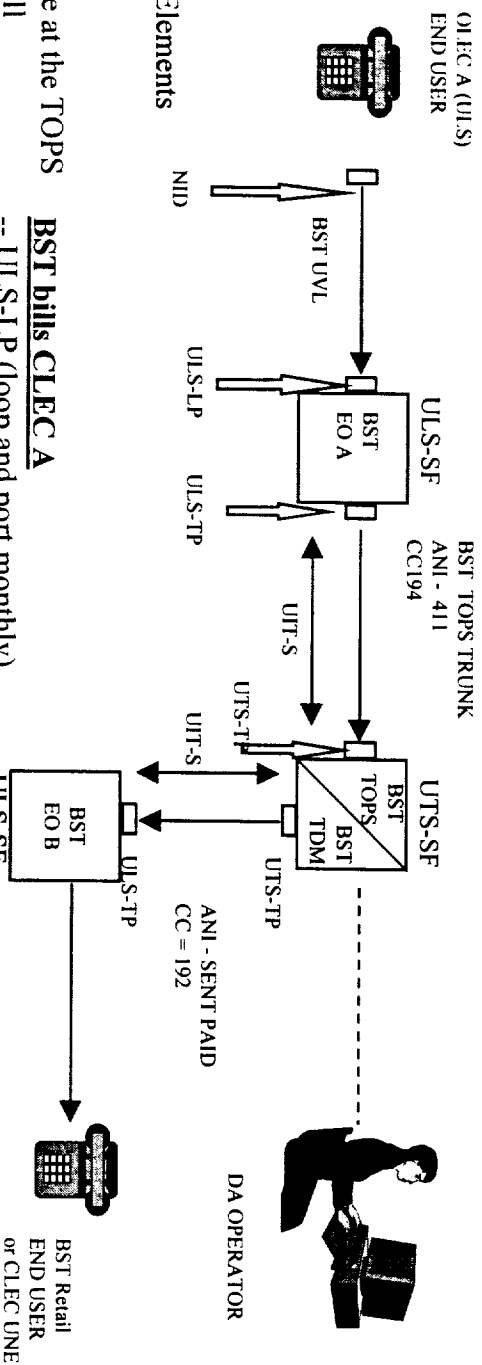
* indicates demarcation between UNE Network and other Networks

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

D3. DIRECTORY ASSISTANCE with CALL COMPLETION

WITHIN the LATA - BST BRAND or UNBRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



Billing Concept

- Unbundled Network Elements

Usage Recordings

- Call Code 194 is made at the TOPS for DA portion of the call
- TOPS functions like a tandem. Assume CC194 contains operator work time
- Call Code 192 is made at the TOPS for DACC portion of the call
- Assume CC192 contains call time.
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

End User dials: home NPA 555 or
East - 411
West - 1+411
Call Completion subsequent to DA
or Call Completion is busy or no answer

6/22/01

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating) (CC194)
- 1 ULS-TPs (end office trunk port) (CC194)
- UTS-S (unbundled transport, fixed, mileage calculated from EOA to TOPS) (CC194)
- UTS-SF (unbundled full tandem switching) (CC194)
- 1 UTS-TPs (tandem office trunk ports - full) (CC194)
- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EOB) (CC192)
- 1 ULS-SFs (unbundled switching - terminating) (CC192)
- 1 ULS-TP (end office trunk port) (CC192)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

Billing Factors

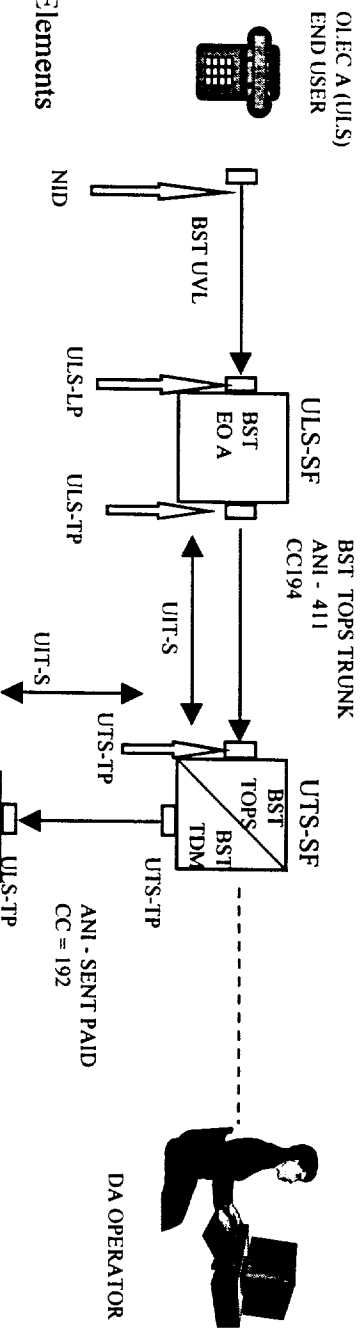
- NA

Record Exchange

BellSouth sends CLEC A
ODUF 10-01-32 (DA Record)
ODUF 10-01-18 (DACC Record)
ODUF 10-01-01 (completed call)

WITHIN the LATA - BST BRAND or UNBRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- ```
-- Call Code 194 is made at the TOPS
for DA portion of the call
 TOPS functions like a tandem. Assume
 CC194 contains operator work time
-- Call Code 192 is made at the TOPS
for DACC portion of the call
 Assume CC192 contains call time.
-- Call Code 189 (non-billable)
-- Call Code 192 (DA
charges/credits)
```

## **BST bills CLECA**

- ```
-- ULS-LP (loop and port monthly)
-- ULS-SFs (unbundled switching - originating) (CC194)
-- ULS-TPs (end office trunk port) (CC194)
-- UITS (unbundled transport, fixed, mileage calculated
from EOA to TOPS) (CC194)
-- UTS-SF (unbundled full tandem switching) (CC194)
-- UTS-TPs (tandem office trunk ports - full) (CC194)
-- UITS (unbundled transport, fixed, mileage calculated
from TOPS to EO B) (CC194)
-- ULS-SFs (unbundled switching - terminating) (CC194)
-- ULS-TP (end office trunk port) (CC194)
-- UITS-TPs (tandem office trunk ports - full) (CC194)
-- DA charges/credits (CC 192)
```

Billing Factors

- NA

Record Exchange

- BellSouth sends CLEC A
ODUF 10-01-32 (DA Record)
ODUF 10-01-18 (DACC Record)
ODUF 10-01-01 (completed call)

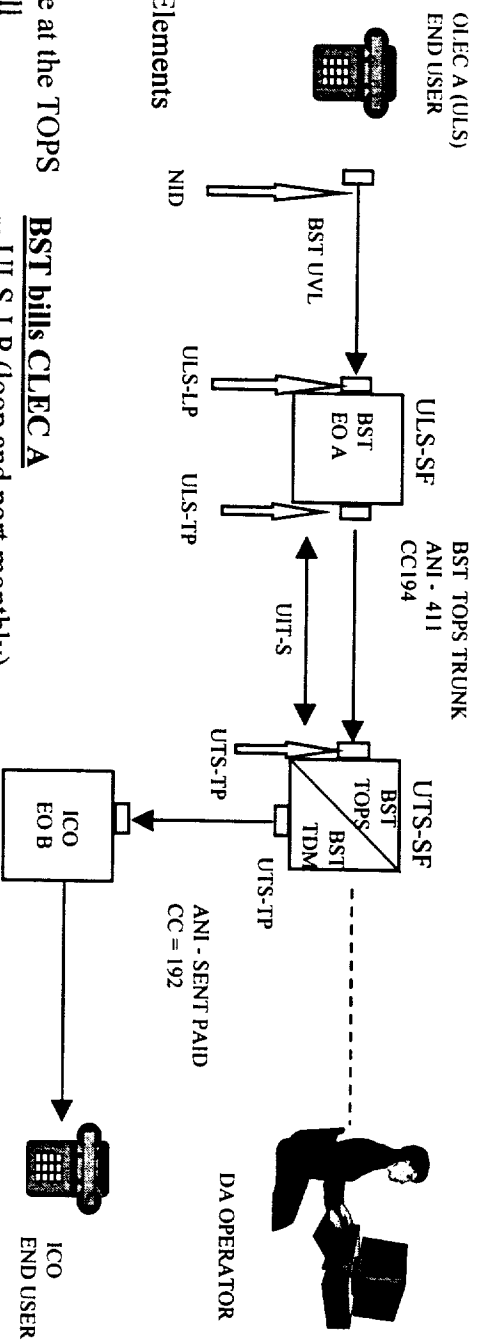
FB CLEC may bill BST

Reciprocal Compensation per agreement

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS D3B. DIRECTORY ASSISTANCE With CALL COMPLETION to ICO

WITHIN the LATA - BST BRAND or UNBRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 194 is made at the TOPS for DA portion of the call
- TOPS functions like a tandem. Assume CC194 contains operator work time
- Call Code 192 is made at the TOPS for DACC portion of the call
- Assume CC192 contains call time.
- Call Code 189 (non-billable) charges/credits)

End User dials: home NPA 555 or

East - 411

West - 1+411

Call Completion subsequent to DA or Call Completion is busy or no answer

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating) (CC194)
- 1 ULS-TPs (end office trunk port) (CC194)
- UTS-S (unbundled transport, fixed, mileage calculated from EOA to TOPS) (CC194)
- UTS-SF (unbundled full tandem switching) (CC194)
- 1 UTS-TPs (tandem office trunk ports - full) (CC194)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

Billing Factors

-- NA

Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACCC Record)
- ODUF 10-01-01 (completed call)

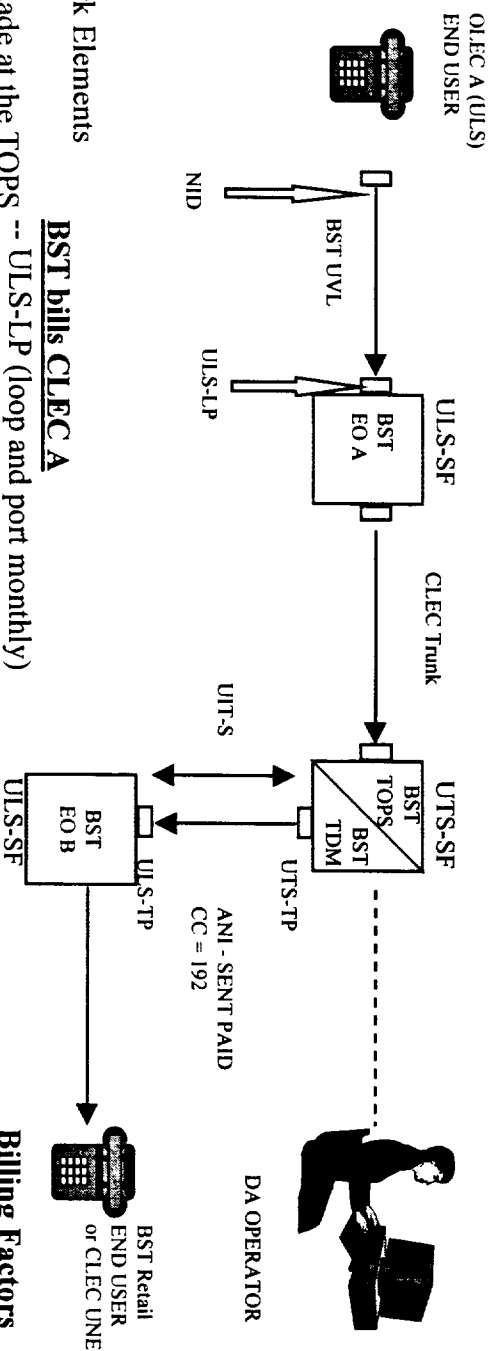
BST/ICO

Local is bill & keep (no settlement)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS

D4. DIRECTORY ASSISTANCE With CALL COMPLETION - WITHIN the LATA - CLEC BRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 194 is made at the TOPS
TOPS functions like a tandem Assume
CC194 contains operator work time
- Call Code 192 is made at the TOPS
Assume CC192 contains call time.
- Call Code 189
- Call Code 192 (DA
charges/credits)

End User dials: home NPA 555 or

East - 411

West - 1+411

Call Completion subsequent to DA
or Call Completion is busy or no answer

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating) (CC194)
- UTS-SF (unbundled full tandem switching) (CC194)
- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)
- 1 ULS-SFs (unbundled switching - terminating) (CC192)
- 1 ULS-TP (end office trunk port) (CC192)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

Billing Factors

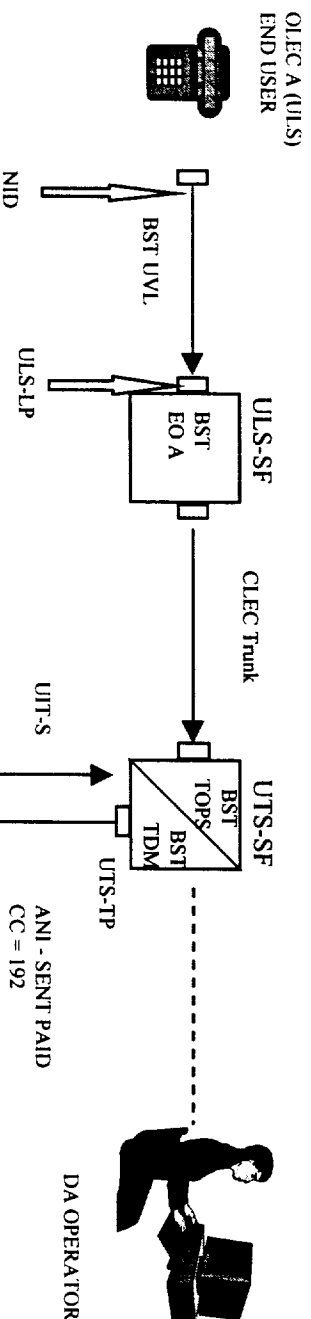
-- NA

Record Exchange

- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS D4A. DIRECTORY ASSISTANCE WITH CALL COMPLETION TO CLEC - WITHIN the LATA - CLEC BRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 194 is made at the TOPS
- TOPS functions like a tandem Assume CC194 contains operator work time
- Call Code 192 is made at the TOPS-- 1 UTS-S (unbundled transport, fixed, mileage calculated Assume CC192 contains call time.
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

End User dials: home NPA 555 or

East - 411

West - 1+411

Call Completion subsequent to DA or Call Completion is busy or no answer

BST bills CLEC A

- ULS-LP (loop and port monthly)
- 1 ULS-SFs (unbundled switching - originating) (CC194)
- UTS-SF (unbundled full tandem switching) (CC194)
- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)
- 1 ULS-SFs (unbundled switching - terminating) (CC192)
- 1 ULS-TP (end office trunk port) (CC192)
- 1 UTS-TPs (tandem office trunk ports - full) (CC192)
- DA charges/credits (CC 192)

BST bills CLEC A

ULS-LP (loop and port monthly)

-- 1 ULS-SFs (unbundled switching - originating) (CC194)

-- UTS-SF (unbundled full tandem switching) (CC194)

-- 1 UTS-S (unbundled transport, fixed, mileage calculated from TOPS to EO B) (CC192)

-- 1 ULS-SFs (unbundled switching - terminating) (CC192)

-- 1 ULS-TP (end office trunk port) (CC192)

-- 1 UTS-TPs (tandem office trunk ports - full) (CC192)

-- DA charges/credits (CC 192)

Billing Factors

-- NA

Record Exchange

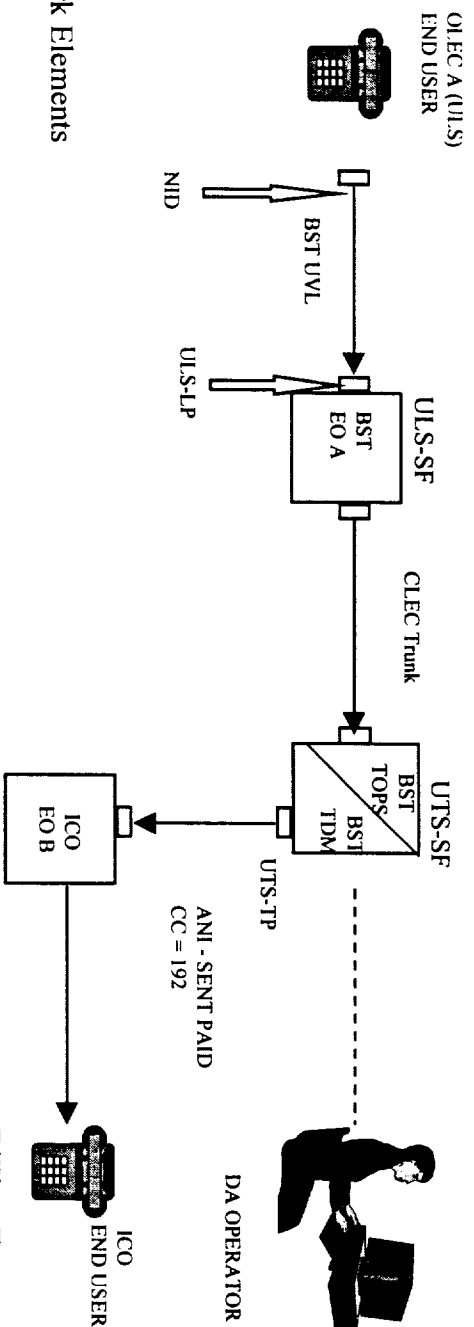
- BellSouth sends CLEC A
- ODUF 10-01-32 (DA Record)
- ODUF 10-01-18 (DACC Record)
- ODUF 10-01-01 (completed call)

FB CLEC may bill BST

Reciprocal Compensation per agreement

UNE PORT/LOOP SWITCHED COMBINATION BILLING ARRANGEMENTS D4B. DIRECTORY ASSISTANCE With CALL COMPLETION to ICO - WITHIN the LATA - CLEC BRANDED

Note: these call flows depict only the UNE usage elements to be billed not the specific DA charges



Billing Concept

-- Unbundled Network Elements

Usage Recordings

- Call Code 194 is made at the TOPS
- TOPS functions like a tandem Assume
- CC 194 contains operator work time
- Call Code 192 is made at the TOPS
- Assume CC 192 contains call time.
- Call Code 189 (non-billable)
- Call Code 192 (DA charges/credits)

End User dials: home NPA 555 or

East - 411

West - 1+411

Call Completion subsequent to DA
or Call Completion is busy or no answer

BST bills CLEC A

- U/L.S-LP (loop and port monthly)
- 1 U/L.S-SFs (unbundled switching - originating) (CC 194)
- U/T.S-SF (unbundled full tandem switching) (CC 194)
- 1 U/T.S-TPs (tandem office trunk ports - full) (CC 192)
- DA charges/credits (CC 192)

BST/ICO

Local is bill & keep (no settlement)

Billing Factors

-- NA

Record Exchange

BellSouth sends CLEC A
ODUF 10-01-32 (DA Record)
ODUF 10-01-18 (DACC Record)
ODUF 10-01-01 (completed call)

PROPOSED UNE BILLING ARRANGEMENTS

Glossary

Revised 10/26/98

ADUF - Access Daily Usage File (general EMI category 11)
BST - BellSouth Telecommunications
BSWC- BellSouth Serving Wire Center
CLEC - Competitive Local Exchange Company
EF - Entrance Facility
FB - Facility Based (FB CLECs include CLECs and non-Section 259 ICOs)
EO - End Office
ICO - Independent Telephone Company (a.k.a. ITC) that are covered by Section 259 of the FCC Order.
MTA- Major Trading Area
NCTA - Non-conversation and Attempt Factors
NID - Network Interface Device
ODUF - CLEC Daily Usage File (primarily contains but not limited EMI category 01, 10, some 11 query records , non access records)
POL - Point of Interface
TDM - Tandem Switching Office
TSP - Tandem Service Provider
Toll Call - Toll calls are carried on the BST IntralATA network. The switch CIC code will be the BST IntralATA code 5124.
UVL - Unbundled Voice Loop
ULS-LP - Unbundled Circuit Switching-Line Port*
ULS-SF - Unbundled Circuit Switching - Switching Functionality
UIT-S - Unbundled Interoffice Transport - Shared. UIT-S cannot be dedicated trunks.
UIT-D - Unbundled Interoffice Transport - Direct. UIT-D provides dedicated trunks.
UNE - Unbundled Network Element
UTS-SF - Unbundled Tandem Switching - Switching Functionality
UTS-TP - Unbundled Tandem Switching - Trunk Port

* For simplicity, only ULS-LPs are depicted on these call flow diagrams.

UNEs cannot have Extended Local Calling Area plans so Call Code 006 applies to inter-switch calls. When these are local, this recording is converted to a Call Code 001.

PROPOSED UNE BILLING ARRANGEMENTS

Notes

Unbundled Loops can be:

- a) 2-wire and 4-wire analog voice grade loops;
- b) 2-wire ISDN digital grade loops;
- c) 4-wire DS-1 digital grade loops.

Unbundled Ports can be:

- a) 2-wire and 4-wire analog line ports;
- b) 2-wire ISDN digital line ports;
- c) 2-wire analog DID trunk ports;
- d) 4-wire DS-1 digital DID trunk ports;
- e) 4-wire ISDN DS-1 digital trunk ports.

Bill Verification

Copies of usage records will be held for bill verification when calls come into or leave the BST network.

Factor Calculation

Records will be held for the calculation of P/U and P/L/U factors when they terminate to another LEC or when calls terminate to a BST RCFed ported number from an IXC.

PROPOSED UNE BILLING ARRANGEMENTS

Notes (continued)

■ Local Toll Exceptions

- Records sent to UNE CLECs that subscribe to ODUF will reflect call types as recorded by the originating switch. Calls that are recorded by the switch as Local, that remain within the originating LATAs, and are carried over the BellSouth network will be sent on ODUF as local records. Calls that are recorded by the originating switch as toll, that remain within the LATAs, and are carried on the BellSouth network will be sent on ODUF as toll records. There are three unique aspects involved in the reason BellSouth provides the records as the switch records them:

- 1. **Dialing Parity** – All calls can be dialed in parity with BellSouth retail plans. The calls are recorded in the same manner as we do for our retail customers. If the switch records a toll call, ODUF provides the UNE CLEC with a toll record.

- 2. **BellSouth Retail Customers and Resale** – When processing calls recorded by BellSouth switches, BellSouth does not necessarily look at type of call to determine if it should be billed local or toll rates **to the end users**. The call is processed by verifying the From and To numbers and determining what is allowed in the tariff for the calling plan of the end user. BellSouth bills its retail customers as mandated in the tariffs.

- 3. **CLEC UNE Calling Plans** – BellSouth cannot control how a UNE CLEC bills end users for calls. The UNE CLEC can create its own unique calling plan for local/toll, or mirror the BellSouth calling plans. This is a business decision the UNE CLEC makes, not BellSouth. Therefore, if the UNE CLEC decides to mirror the BellSouth local/toll calling plans, it is up to the UNE CLEC to develop all the systems necessary to process and bill the ODUF calls, as does BellSouth.

- In summary, BellSouth must bill retail customers and Resale CLECs according to the calling plan chosen by the end user, and as mandated in the tariffs. UNE CLECs have the flexibility of creating their own unique calling plans or mirroring the BellSouth calling plans. Therefore, BellSouth provides the UNE CLECs with call data, strictly as it is recorded within the BellSouth switches.